

BROADCAST[®] **engineering**

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December 15, 1995/\$5.00

Includes
**Buyers
Guide**
Information

KCAL-TV/California 9 Wins Edward R. Murrow Award for News Excellence



WHEATSTONE is proud to be a continuing part:

SP-5 console S/N 15688 delivered July 1985
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SP-5 console S/N 15927 delivered October 1985
V-600 console S/N 22121 delivered October 1994
V-600 console S/N 23436 delivered October 1995

KCAL-TV-9 is owned and operated by the Walt Disney Company

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ON THE COVER: A generic integrated circuit (IC) mounted on a circuit board. Chips like this one are used throughout modern electronic equipment.

The Buyers Guide is a comprehensive directory for the broadcast, cable and production industries. The special *BE* publication can be used as a guidebook whenever an equipment purchase is being planned. Keep this annual publication on your desk for reference throughout the year.

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Welcome to the 1996 *Broadcast Engineering* Buyers Guide. This 15th reference issue includes the most recent information available about manufacturers and other sources of products and services for the broadcast, cable and production industries.

The Manufacturer Directory lists more than 1,800 companies from more than 25 countries. When the headquarters office of a company is not in the United States, we try to include both the foreign and domestic addresses for the convenience of our international audience.

Advertisers in this issue were offered options to include some of their sales offices or a comment about their company or product line. Colored listings represent companies that have advertisements in this issue. For the location of their respective ads, see page 104.

As the world continues to become more tightly knit, we have included country and city codes for international companies. When calling international numbers, keep in mind that it may not be necessary to dial "0" preceding the city code. You will also notice that many companies provided E-mail addresses this year, which will enable you to make contacts on-line through various services.

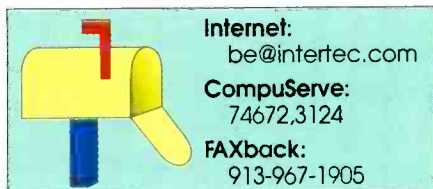
More than 220 general product categories are arranged into Audio, Video, RF, Test & Measurement, Computer/Automation, Ancillary/Support and Services sections. Nearly 100 subcategories break the general categories into more specific product areas. The Product Directory includes more than 10,000 entries to help you find a supplier for the products you need. The final section of the 1996 Buyers Guide lists many of

the professional organizations associated with the broadcast, cable and production industries. See page 96 for a complete listing.

Thank you for your interest and support of *Broadcast Engineering* magazine. We are always open to your ideas and opinions and hope to hear from you.



Carl Bentz, directories manager





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VER

Manufacturers Address Directory

Colored listings represent companies that have advertisements in this issue. For the location of their respective ads, see page 104.

a

A2T Production

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F-94130 Nogent-Sur-Marne France
+33 1 4877-0506
Fax: +33 1 4877-6885

Aarmor Case Co

2100 Lapo Road
Lake Odessa MI 48849
616-374-5431; 800-722-5763
Fax: 616-374-8686

AAVS/Advanced Audio Visuel Systemes

222-226 rue de Rosny
F-93100 Montreuil France
+33 1 4988-3434
Fax: +33 1 4857-3358

AAVS/Sencore

3200 Sencore Dr
Sioux Falls SD 57107
605-339-0100; 800-769-2287
Fax: 605-335-6379

ABC Digital

Australian Broadcast Corp

ABC Ultimo Centre
700 Harris St #2007
Sydney Australia
+61 2 333 2209
Fax: +61 2 333 1413

ABE Elettronica SPA

Via Galileo Galilei 1
I-24043 Caravaggio (BG) Italy
+39(0)363 351007
Fax: +39(0)363 50756

Acces I/O Products

9400 Activity Rd
San Diego CA 92126
619-693-9005; 800-326-1649
Fax: 619-578-9711

Ac-cetera Inc

3120 Banksville Rd
Pittsburgh PA 15216
412-344-8609; 800-537-3491
Fax: 412-344-0818
E-Mail: aaps.pgh.nauticom.net

Accom Inc

1490 O'Brien Dr
Menlo Park CA 94025
415-328-3818
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Accurate Sound

3475A Edison Way
Menlo Park CA 94025
415-365-2843
Fax: 415-365-3057

Accu-Weather Inc

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E-Mail: intemail@accuwx.com

ACM: Akustik und Studioplanungs GmbH

Zeppelinstraße 59
D-81669 München Germany
+49(0)89-480-2821
Fax: +49(0)89-448-5978

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306 Maple Ridge #2
Ann Arbor MI 48103
313-663-7013
Fax: 313-663-7013

Acoustic Sciences Corp

855 W 1st Ave
Eugene OR 97402
541-343-9727; 800-ASC-TUBE
Fax: 541-343-9245

Acoustic Systems

415 E St Elmo St/PO Box 3610
Austin TX 78764
512-444-1961; 800-749-1460
Fax: 512-444-2282

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Alpha Audio Acoustics
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Richmond VA 23294
804-346-8350; 800-782-5742
Fax: 804-346-8808

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Fax: +351-1-9477509

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Fax: +33 1 4253-3677

ADC Telecommunications Inc

4900 W 78th St, Minneapolis MN 55435
612-938-8080; 800-366-3891
Fax: 612-946-3292

ADCOM Electronics

310 Judson St
Toronto ON Canada M8Z 5T6
416-251-2748; Fax: 416-151-3777

Adcour Inc

18 Billings St, Sharon MA 02067
717-784-8123; 800-232-3557
Fax: 617-784-5563

ADTT (Advanced Digital Television Technologies)

Thomson Multimedia
F-92050 Paris La Defense Cedex France
+33 1 4904-9935
Fax: +33 1 4904-9626

ADM Systems

PO Box 250334, Bloomfield MI 48325
810-524-2100
Fax: 810-932-1991

Adrienne Electronics Corp

2196 E Ford Ave, Las Vegas NV 89123
702-896-1858; 800-782-2321
Fax: 702-896-3034

ADT (Applied Digital Technology)

3622 NE 4th St
Gainesville FL 32609
904-338-0516
Fax: 904-338-1108

Adtec Audio Video Produkte GmbH

Papenstraße 41
D-22089 Hamburg Germany
+49(0)40-250-1055
Fax: +49(0)40-256-531

Adtec Productions Inc

408 Russel St, Nashville TN 37206
615-256-6619
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316-263-4231
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Advanced Broadcast Systems Inc

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Burlington KY 41005
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Fax: 606-282-7581

Advanced Designs Corp

1169 W 2nd St, Bloomington IN 47403
812-333-1922
Fax: 812-333-2030

Advanced Digital Imaging

1250 N Lakeview #O
Anaheim CA 92807
714-779-7772
Fax: 714-779-7773

Advent Communications Ltd

Preston Hill House/Nashleigh Hill
Chesham England HP5 3HE
+44(0) 1494 774400
Fax: +44(0) 1494 791127

AEQ SA

C/Rey Pastor 36/P I Leganes
E-28914 Madrid Spain
+34 1 686-1300
Fax: +34 1 686-4492

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35 Airport Rd
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201-984-6680; 800-543-8947
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361 Ave du General de Gaulle
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+33 1 4136 1204
Fax: +33 1 4136 1213

AEV SRL

Via Saviolo I/E - S Giov Persiceto
I-40017 Bologna Italy
+39 51 950350/-950249
Fax: +39 51 950201

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100 Stonehurst Court
Northvale NJ 07647
201-767-1200
Fax: 201-784-8637

Agfa Corp

100 Challenger Road
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Fax: 1201-440-2854

AIRcorp

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214-304-0455
Fax: 214-304-0550

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AJA Video

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916-274-2048
Fax: 916-274-9442

Akai Digital

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Fort Worth TX 76102-2344
817-336-5114
Fax: 817-870-1271

AKG Acoustics

8500 Balboa Blvd, Northridge CA 91329
818-830-8278
Fax: 818-830-7825

AKG Akustische und Kino-Geräte GmbH

Lembockgasse 21-25
A-1230 Wien (Vienna) Austria
+43 1 866-54-241
Fax: +43 1 866-54-205

Alamar Electronics USA Inc

1711 Dell Ave, Campbell CA 95008
408-866-9373
Fax: 408-870-4861

Alarmco

1 Bailey Dr, Guilford CT 06437
203-499-5178; 800-824-5006
Fax: 203-458-2696

Albrecht Studiogeräte GmbH (MWA)

Maybachufer 48-51
D-12045 Berlin Germany
+49(0)30-623-6039
Fax: +49(0)30-623-1031

Alcatel Components

248 Wickham Road
Moorabin Victoria Australia 3189
+61 3 9555 1566
Fax: +61 3 9553 3801

Alcatel STR

Friesenbergstraße 75
CH-8055 Zurich Switzerland
+41 1 465-2111
Fax: +41 1 465-2411

Alden Electronics Inc

40 Washington St
Westboro MA 01581
508-366-8851
Fax: 508-898-2427

Alesis Corp

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Los Angeles CA 90016
310-558-4530; 800-5-ALESIS
Fax: 310-836-9192

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PO Box 1508
1511 S Garfield Place
Mason City IA 50401
515-423-8955; 800-526-ALEX
Fax: 515-423-1644

Alias Research Corp

110 Richmond St E
Toronto Canada
416-362-9181
Fax: 416-362-0630

Allen & Heath

8760 S Sandy Parkway
Sandy UT 84070
801-568-7660; 800-777-1363
Fax: 801-568-7662

Allen Avionics Inc

224 E 2nd St
Mineola NY 11501
516-248-8080
Fax: 516-747-6724



Allen Osborne Associates

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Westlake Village CA 91361
509-735-6812
Fax: 509-735-6812

Allied Tower Co Inc

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713-486-7691; 800-332-0025
Fax: 713-486-6562

Alpha Image Ltd - Dynatech

4 Votec Centre - Hambridge Lane
Newbury Derks England RG14 5TN
+44(0) 1635 521939
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FAX: (503) 641-8906



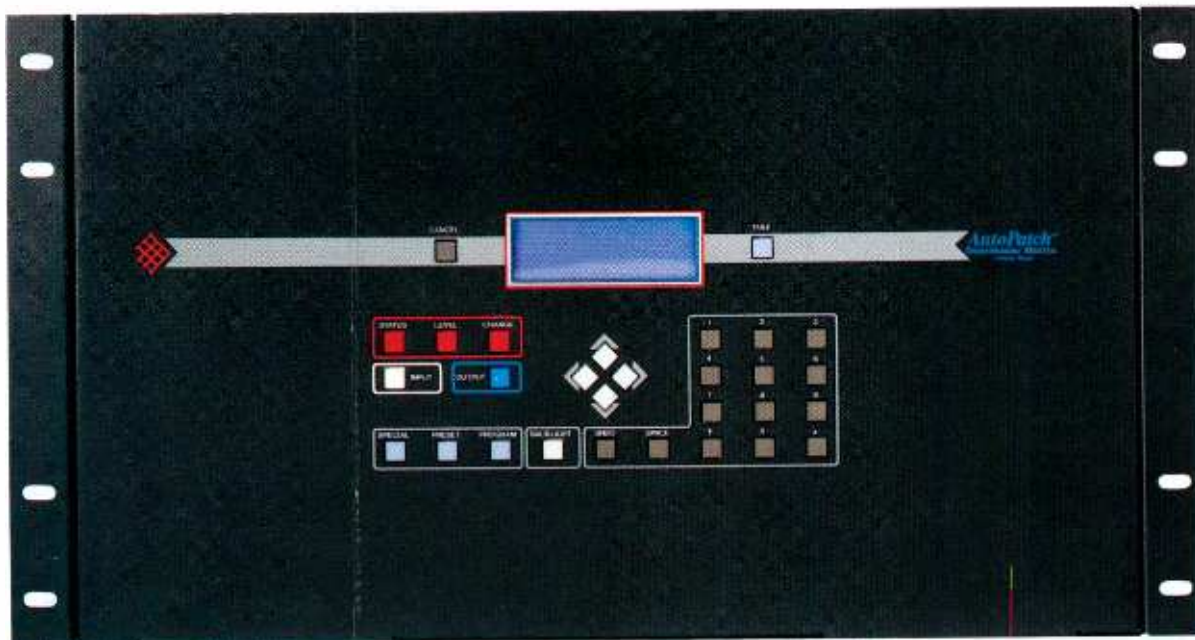
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Manufacturers Address Directory

Alpha Video & Electronics Co

200 Keystone Dr, Carnegie PA 15106
412-429-2000
Fax: 412-429-2015

Alpha Wire Corp

711 Lidgerwood Ave
Elizabeth NJ 07207-0711
908-925-8000; 800-52-ALPHA
Fax: 908-925-7429

Alpine Optics Inc

9913 NW 20 St, Coral Springs FL 33071
954-344-9871
Fax: 954-344-3665

Alta Group Inc - Dynatech

180 Wright Brothers Road #670
Salt Lake City UT 84116
801-328-8872
Fax: 801-328-3668

Altec Lansing

PO Box 26105, Oklahoma City OK 73126
405-324-5311
Fax: 405-324-8881

Altronic Research Inc

PO Box 249, Yellville AR 72687
501-449-4093; 800-482-5623
Fax: 501-449-6000

Aluma Tower Co Inc

PO Box 2806-BE
Vero Beach FL 32961-2806
407-567-3423
Fax: 407-567-3432

Amco Engineering Co

3801 N Rose St, Schiller Park IL 60176
708-671-6670; 800-833-3156
Fax: 708-671-9469
Area code 847 as of 1/20/96

AMEK Systems & Controls Ltd New

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Oldfield Road
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+44(0) 1618 346747
Fax: +44(0) 1618 340593

AMEK US Operations Inc

10815 Burbank Blvd
N Hollywood CA 91601
818-508-9788
Fax: 818-508-8619

American Broadcast Systems Inc

8222 Jamestown Drive #109B
Austin TX 78758
512-837-3737; 800-950-2223
Fax: 512-837-3791

American Laser Systems

PO Box 6944, Santa Barbara CA 93160
805-967-0423
Fax: 805-683-4382

American Mobile Satellite Corp

10802 Parkridge Blvd, Reston VA 22091
800-872-6222
Fax: 703-758-6239
E-Mail: sts_general@skycell.com

AML Inc

900-K Calle Plano, Camarillo CA 93012
805-388-1345
Fax: 805-484-2191

AMP

PO Box 3608, Harrisburg PA 17105-3608
717-564-0100; 800-522-6752
Fax: 717-986-7575

Ampco Sound Lab (ASL)

Zonnebaan 42a
NL-3606 CC Maarssenbroek
The Netherlands
+31-30-2414500, Fax: +31-30-2410638

Ampex Corp

401 Broadway MS3A-01
Redwood City CA 94063
415-367-3888; 800-POST DCT
Fax: 415-367-4669

Ampex Media

401 Broadway #22-02
Redwood City CA 94063
415-367-2149; 800-227-8443
Fax: 415-367-4132

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Glebelands House Silchester Road
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+44(0)1256-880777
Fax: +44(0)1256-881145

AMS Neve PLC/A Siemens Co

Billington Road
Burnley, Lancs. England BB11 5UB
+44(0)1282-457011
Fax: +44(0)1282-39542

Amtel Systems Inc

310 Judson St Unit 6 # 303
Toronto ON Canada M8Z 5T6
416-251-2748; 416-251-3355
Fax: 416-251-3977

AMX Corp

11995 Forestgate Drive, Dallas TX 75243
214-644-3048; 800-222-0193
Fax: 214-907-2053

Anchor Communication/Porta-Com

913 W 223rd St, Torrance CA 90502
310-533-5984; 800-262-4671
Fax: 310-328-4680



Andrew Corp

10500 W 153rd St
Orland Park IL 60462
708-349-3300; 800-255-1479
Fax: 800-349-5444

Angenieux SA

F-42570 Saint Heand France
+33 7730-4210
Fax: +33 7730-9709

Eric Neil Angevine PE

420 E Rogers Drive
Stillwater OK 74075-1626
405-744-6444; 405-372-3949
Fax: 405-744-6491

R B Annis Co Inc

1101 N Delaware, Indianapolis IN 46202
317-637-9282
Fax: 317-637-9282

Anritsu Wiltron

685 Jarvis Drive, Morgan Hill CA 95037
408-776-8300; 800-230-2972
Fax: 408-776-1744



Antenna Concepts Inc

6601C Merchandise Way
Diamond Springs CA 95619
916-621-2015
Fax: 916-622-3274

Antenna Concepts Inc designs, engineers and manufactures broadcast antennas for UHF, VHF, FM, MDS and PCS applications. Designs include industry-standard slot and panel types as well as the innovative circularly polarized end-fire helix blaster. All antennas are HDTV-compatible, patterns on file with ECC. Low to high power (180kW) available as well as channel combiners and filters.

Antex Electronics

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Gardena CA 90248
310-532-3092; 800-338-4231
Fax: 310-532-8509
E-Mail: antexsales@ad.com

Anthro Corp

10450 SW Manhasset Dr
Tualatin OR 97062
503-691-2556; 800-325-3841
Fax: 800-325-0045
E-Mail: sales@anthro.com

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Fax: 203-929-9935

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Fax: 703-455-4240

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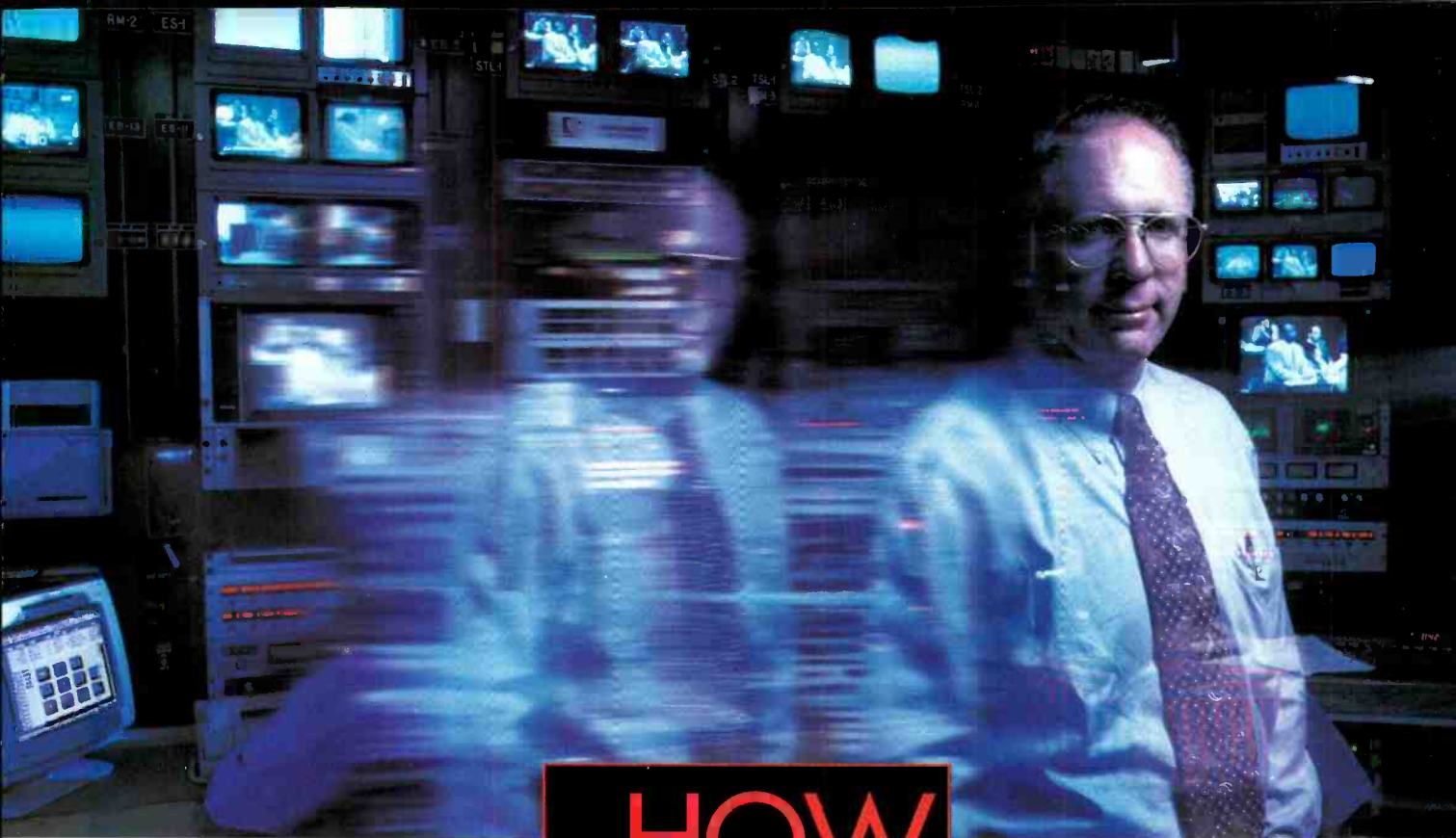
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IF you want to make the move from tape to disk, Ira Goldstone has a few quick words of advice:

HOW FAST CAN YOU DISKO?

Q: As Director of Engineering at Tribune Broadcasting, you're in the midst of updating your entire system. How do you deal with the pressure?

A: *Carefully.*

Q: Right. So did you choose the Louth ADC-100 automation system to bridge to disk or give you future flexibility?

A: *Yes.*

Q: Meaning you liked Louth's ability to control all types of different devices?

A: *Yes.*

Q: And you weren't worried about any problems with propri-

L-OUT-H
A U T O M A T I O N

etary automation software or choosing any disk vendor you wanted?

A: *No.*

Q: So if you were to give advice on how to make the transition to disk, without worrying about where your station goes in the future, what would it be?

A: *Louth.*

Q: And what about the multi-casting environment?

A: *Louth.*

Q: Of course, you'd still need a media management and traffic interface system to tie it together. Any final words of advice?

A: *Louth.*

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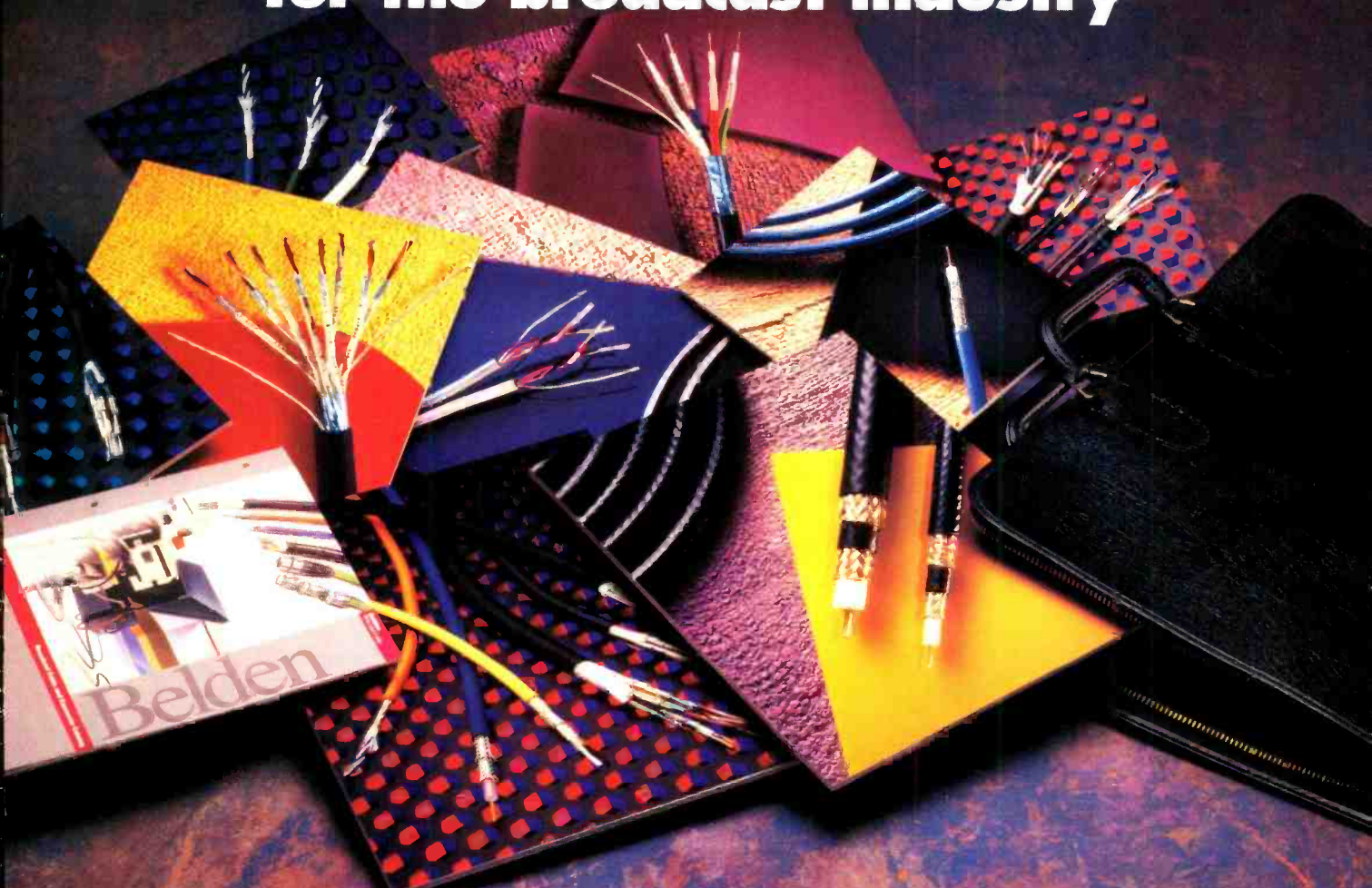
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Fax: 214-271-3654

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Fax: +44(0) 1782 630-101

FAROUDJA

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Fax: 408-735-8571

FAST Electronic US Inc
393 Vintage Park Drive
Foster City CA 94404
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Fax: 415-345-3447
E-Mail: compuserve: "GoFast"

FAST Multimedia AG
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Fast Forward Video
18200-C W McDermott
Irvine CA 92714
714-852-8404; 800-755-8463
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FastCap/Silent Software
PO Box 40100
Nashville TN 37204
615-832-8314
Fax: 615-832-8736

Feral Industries
9204 Bond St
Overland Park KS 66214
913-492-4666; 800-331-2019
Fax: 913-492-5556

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Fax: 609-235-7779

Fieldpiece Instruments
231 E Imperial #250
Fullerton CA 92635
714-992-1239
Fax: 714-992-6541

FirstCom Music
13747 Montfort Dr #220
Dallas TX 75240
214-934-2222; 800-858-8880
Fax: 214-404-9656
E-Mail: info@firstcom.com



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of commercials.
It's either
your worst
nightmare or
our broadcast
video server.



4,000 hours of miniature mariners navigating toilet bowls. Underwear salesmen dressed like fruit. Wimpy little pastry chefs made out of dough. If you think watching it sounds bad, imagine the rigors our Broadcast Video Server has been put through.

CBS has been testing the HP Broadcast Video Server

by playing commercials for more than six straight months. In fact, they're installing our BVS at their station, KCBS in Los Angeles. Looks like we passed the test.

Other stations are way beyond the test phase. Like KOLD in Tucson, where the HP BVS has been on the air for almost a year. And it's about to hit the airwaves in Munich and other major markets around the world.

For a clearer picture, call us at **1-800-FOR-HPTV, Ext. 9893**. We'll send you a brochure with everything else you need to know about the HP Broadcast Video Server.

We now return you to your regularly scheduled publication.

There is a better way.



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Fax: 615-377-2383

FloriCal Systems Inc
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Gainesville FL 32601
904-372-8326
Fax: 904-375-0859

Fluke Corp
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Fax: 206-356-5116

Flying Fur Industries
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FM Systems Inc
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Fax: 714-979-0913

Focal Press/Butterworth Heinemann
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Newton MA 02158-1626
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Fax: 800-446-6520

Focusrite Audio Eng Ltd
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Focusrite Audio Engineering
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Fax: 516-753-1020

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Folsom CA 95630
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Fax: 916-983-7236

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Fostex Corp of America
15431 Blackburn Ave
Norwalk CA 90650
310-921-1112; 800-7-FOSTEX
Fax: 310-802-1964

Fostex Corp
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Tokyo Japan 196
81-425-46-4974
Fax: 81-425-46-9222

Fotec Inc
529 Main St
Boston MA 02129
617-241-7810; 800-537-8254
Fax: 617-241-8616
E-Mail: info@fotec.com; http://www.std.com/fotec

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Fax: 501-727-5402

Frequency Products Inc
3475-M Edison Way
Menlo Park CA 94025-1813
415-364-0600
Fax: 415-364-2053

Fresh/The Music Library
34 S Main St, Hanover NH 03755
603-643-3438; 800-545-0688
Fax: 603-643-8876

Frezzolini Electronics Inc
5 Valley St, Hawthorne NJ 07506
201-427-1160; 800-345-1030
Fax: 201-427-0934

Frontier Communications Corp
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Portland OR 97207-0939
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Fax: 503-246-6304

Frontline Communications
8501 65th St N
Pinellas Park FL 33704
813-541-4441
Fax: 813-541-7116

FSR Inc
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West Paterson NJ 07424
201-785-4347
Fax: 201-785-3318

Fuji Photo Film USA Inc Magnetic Products Div.
555 Taxter Road
Elmford NY 10523
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Fuji Photo Optical Co Ltd
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Fujinon Inc
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Fax: 201-633-5216

Full Compass Systems Ltd
8001 Terrace Ave
Middleton WI 53562
608-831-7330; 800-356-5844
Fax: 608-831-6330

Full Sail Center for Recording Arts
3300 University Blvd #160
Winter Park FL 32792
407-679-0100
Fax: 407-678-0070

Fuller Mfg
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818-500-0116
Fax: 818-240-1828

Furman Sound Inc
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Greenbrae CA 94904
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Future Case
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Fax: 817-429-6010



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Gabriel Electronics Inc
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Garner Industries
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Gauss
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Sun Valley CA 91352-2611
213-875-1900
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GC Thorsen Inc
1801 Morgan St, Rockford IL 61102
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GE American Communications
4 Research Way
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GEC-Marconi Communications Ltd
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Gefen Systems
6261 Vanel Ave #C
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Fax: 818-884-3108

Gendra Broadcasting Corp
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Hatboro PA 19040
215-674-4800
Fax: 215-956-6497

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Oceanside CA 92056-6002
619-631-8021
Fax: 619-631-8031

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Everett WA 98204
206-353-7400
Fax: 206-347-7100

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PO Box 489/Station A
Burlington Ont Canada L7R 3Y3
905-632-2996; 800-263-9353
Fax: 905-632-2055

Gentner Communications Corp
1825 Research Way
Salt Lake City UT 84119
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service: support@gentner.com



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CHICAGO, IL

Gepco International Inc
2225 W Hubbard St
Chicago IL 60612
312-733-9555; 800-966-0069
Fax: 312-733-6416

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Fax: 818-781-3828

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West Redding CT 06896
203-938-2588
Fax: 203-938-8740

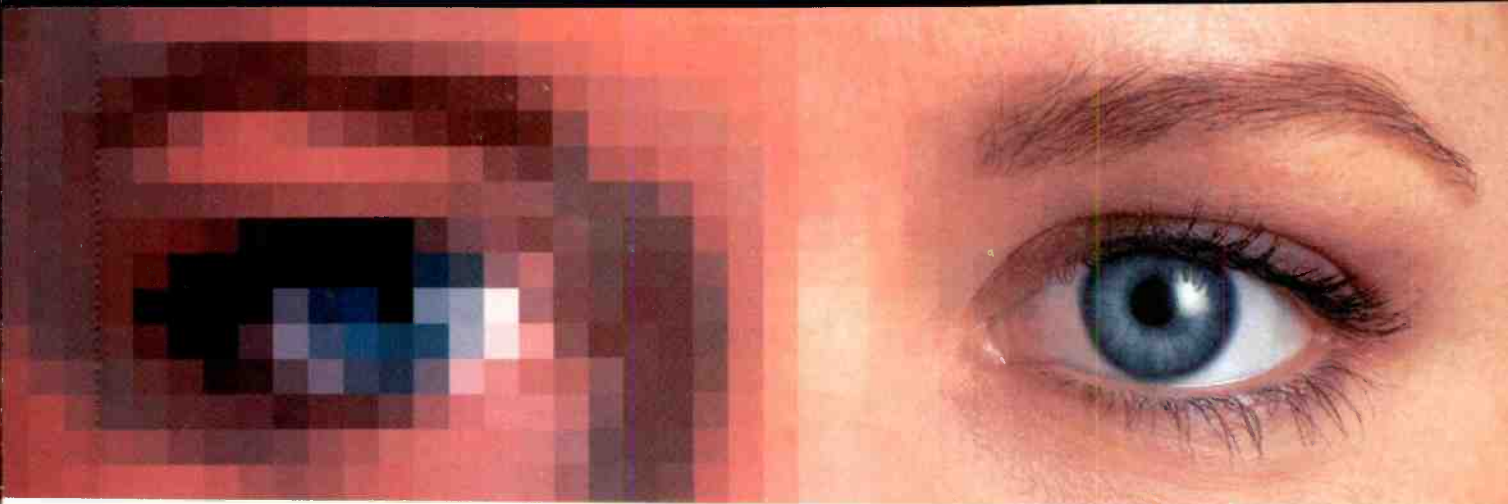
Alan Gordon Enterprises Inc
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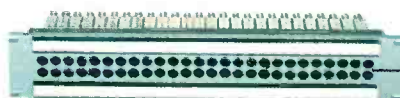
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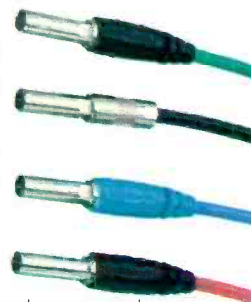
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Switchcraft

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Graham-Patten Systems
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Graseby Optronics
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Orlando FL 32826
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Grass Valley Group
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Grass Valley CA 95945
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Gray Supply Co
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Fax: 219-398-0038
E-Mail: topbulb@aol.com

The Great American Market
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Hollywood CA 90038
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Fax: 213-461-4308

Green Dot Audio
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Fax: 615-367-9242

**Lynn Greenberg Electronic
Teleprompting**
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Newhall CA 91321
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Fax: 516-753-1020

Grozik Associates
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Milwaukee WI 53223
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Fax: 414-355-4460



Hall Electronics
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Fax: 804-984-3299
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**Halland Broadcast Services/Henry
Eng**
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**Hardigg Cases, A Div of Hardigg
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Fax: 217-224-1439

**Harris Corp/Broadcast Div
Systems Operation**
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Florence KY 41042
606-282-4800
Fax: 606-283-2818

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7104 Crossroads Blvd #118
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509-921-3331



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Holiday Industries Inc
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Fax: 612-934-3604

Hoodman Corp
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310-379-6391
Fax: 310-372-6420



HORITA
PO Box 3993
Mission Viejo CA 92690
714-489-0240

Horita is a Southern California company focused on providing practical and economical editing equipment for the video industry. Horita offers a full line of SMPTE LTC and VITC readers, generators and inserters, and a PC-based time code tape logging system with the TC-Toolkit software. Horita also offers color bar, test, black and sync generators, video titlers and safe area/safe title generators, on-

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1875 S Winchester Blvd
Campbell CA 95008
408-378-3883
Fax: 408-378-3888

Howe Industries
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Sanford FL 32771
407-323-1830
Fax: 407-330-1317

**HPG Industries Inc
(Sharb Electronics)**
192-08 90th Ave
Holliis NY 11423-2524
718-479-3011
Fax: 718-479-3072

Hubbell Inc Wiring Device - Kellell
1613 State St
Bridgeport CT 06605-0933
203-337-3100
Fax: 203-579-2892



Hughes Communications Inc
PO Box 92424
Los Angeles CA 90009
310-607-4000
Fax: 310-607-4065
Sales Offices:

Hughey & Phillips Inc
PO Box 2167 (2162 Union Place)
Simi Valley CA 93062
805-581-5591
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**IDB Communications & Broadcast
Group**
10525 W Washington Blvd
Culver City CA 90232
213-240-3710
Fax: 213-240-3904

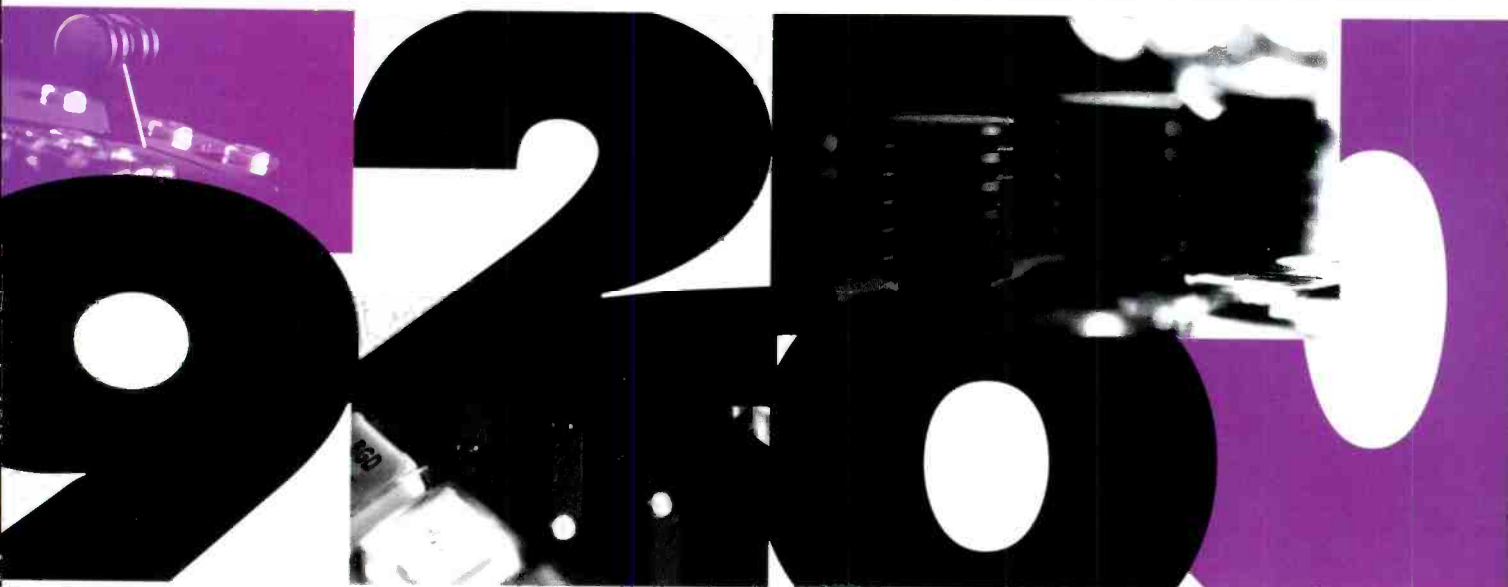
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IDX Video Inc
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IGM Communications
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360-733-4567
Fax: 360-734-7939

The Product Directory begins on page 65.

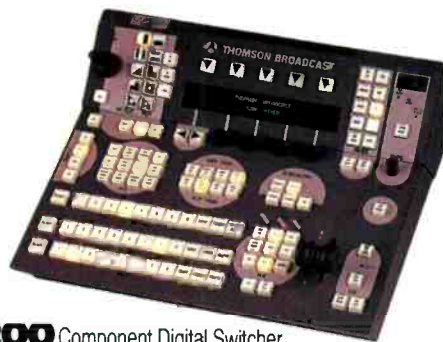
As the manufacturer which performed the world's first installation of a full digital studio back in 1985, THOMSON BROADCAST is proud to introduce the 9200, the newest member of its digital switcher family. This unit is the crowning achievement of a design team that boasts almost a



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USA - THOMSON BROADCAST SYSTEMS, Inc - 49, Smith Street - PO Box 5266 - ENGLEWOOD - NJ 07631 - USA - Tel: (1 - 201) 569 1650 - Fax: (1 - 201) 569 1511
U.K - THOMSON BROADCAST SYSTEMS, Ltd - 18, Horton Road - DATCHET - BERKSHIRE SL3 9ES - ENGLAND - Tel: (44 - 1753) 581 122 - Fax: (44 - 1753) 581 196
THOMSON BROADCAST SYSTEMS ASIA - 1000 Toa Payoh North - SINGAPORE 1231 - Tel: (65) 359 8245 Fax: (65) 359 8206

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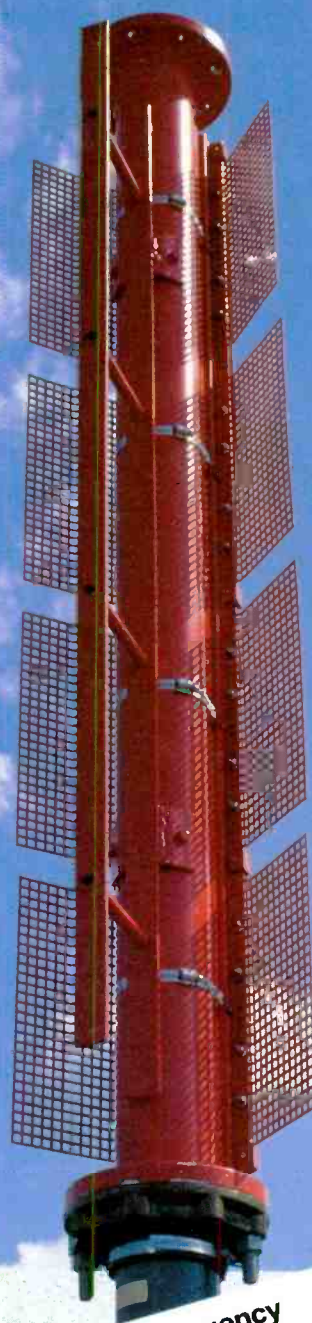
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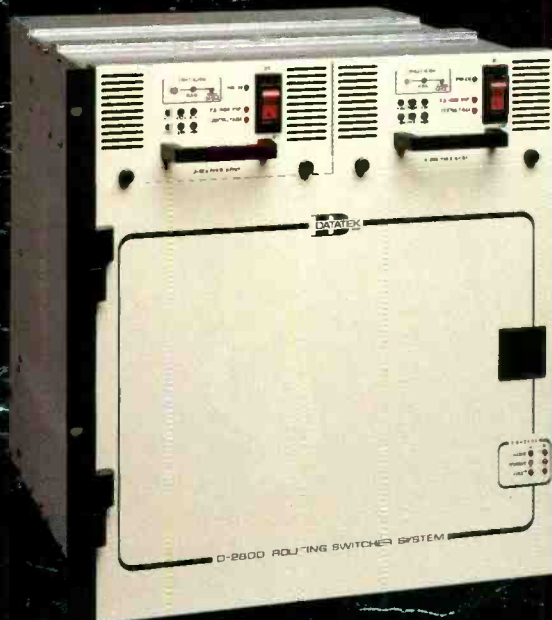
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609-767-7209

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Jamaica NY 11434
718-525-2900
Fax: 718-525-2488

Lightware Inc
1329 W Byers Pl, Denver CO 80223
303-744-0202
Fax: 303-722-4545

Lightwave Communications Inc
84 Research Drive, Milford CT 06460
203-878-9838
Fax: 203-874-0157

Lightwave Systems
900 Jackson St #700, Dallas TX 75202
214-741-5142
Fax: 214-741-5145

Lightworks/USA
6762 Lexington Ave #2
Hollywood CA 90038
213-465-2002
Fax: 213-463-1209

Lindsay Specialty Products
50 Mary St
Lindsay ON Canada K9V 457
705-324-2196; 800-465-7046
Fax: 704-324-5474

Link Communications SA
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E-08041 Barcelona Spain
+34 (3) 347-1033
Fax: +34 (3) 347-2255

Link Electronics Inc
753 Enterprise St
Cape Girardeau MO 63701
314-334-4433; 800-776-4411
Fax: 314-334-9255

Linker Systems Inc
13612 Ohkayha, Irvine CA 92720
714-552-1904
Fax: 714-552-6985

Lipsner-Smith Co
4700 Chase Ave
Lincolnwood IL 60646
708-677-3000; 800-323-7520
Fax: 708-677-1311
E-Mail: Tom.Tisch@Lipsner-Smith.com

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352 River Road, Edgewater NJ 07020
201-943-5600
Fax: 201-943-6913

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516-273-3020
Fax: 516-435-4544
E-Mail: listec@linet.com

Litton/LSD
2734 Hickory Grove Road/PO Box 4508
Davenport IA 52808
319-383-6000
Fax: 319-383-6125

James Lloyd Group
PO Box 3, Ashland OR 97520
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Fax: 541-488-5627

LM Engineering Inc
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Youngstown OH 44511
800-874-8326
Fax: 216-782-2659

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LNR Communications Inc
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Hauppauge NY 11788-3795
516-273-7111
Fax: 516-273-7119
E-Mail: bebg@lnr.com

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3320 Bering Dr
Houston TX 77057
713-782-4592; 800-231-5870
Fax: 713-782-7597

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3115 Kashiwa St
Torrance CA 90505
310-539-8655
Fax: 310-539-8634

Lone Wolf Corp
2030 1st Ave
Seattle WA 98121
206-728-9600
Fax: 206-728-9604

Mark Long Enterprises Inc
150 North Federal Highway #230
Fort Lauderdale FL 33301
954-767-4687
Fax: 954-767-6067

Loral Microwave-Narda
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Hauppauge NY 11701
516-231-1700
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S-76150 Norrtälje Sweden
+46-176-139-30
Fax: +46-176-139-35

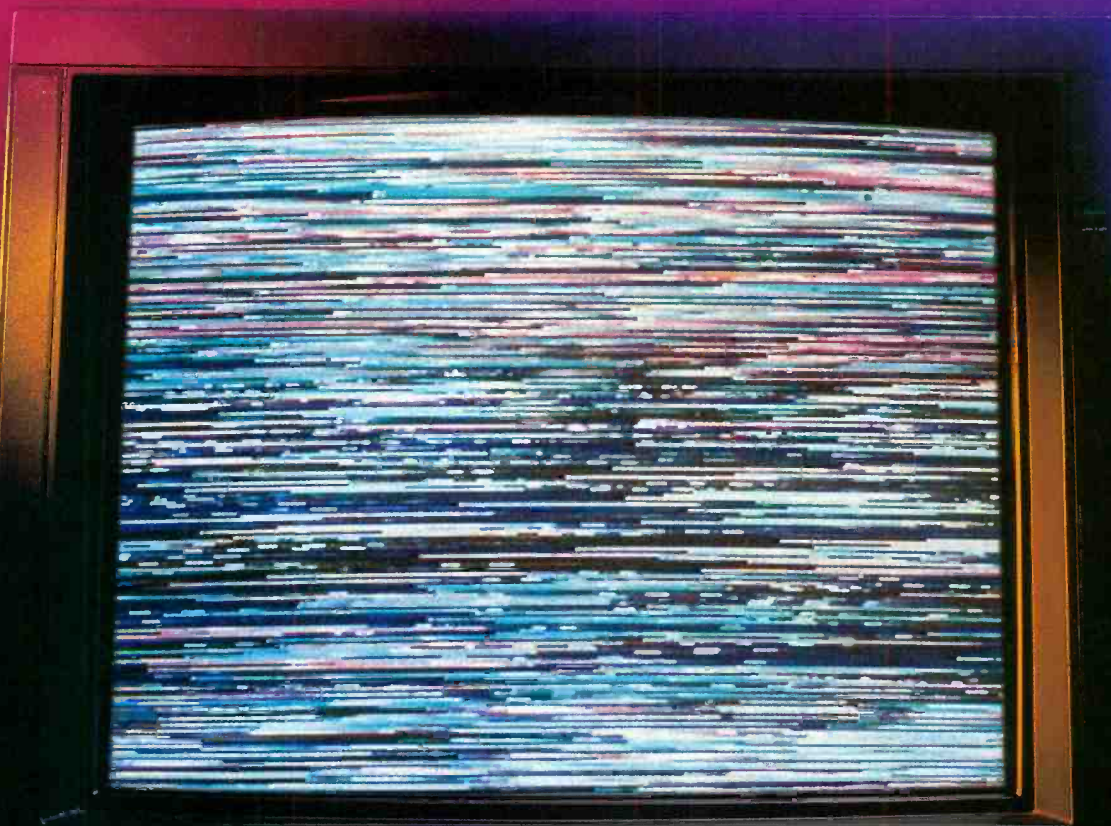
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2245 Delany Rd
Waukegan IL 60087
708-244-1800; 800-323-4656
Fax: 708-244-1818

L-W Athena Inc
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Simi Valley CA 93065
805-522-3284
Fax: 805-522-3316

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Circle (21) on Reply Card

SEAMLESS DIGITAL VIDEO INTEGRATION IN AN ANALOG WORLD



Developing and establishing maintenance and test programs for today's multi-format, sophisticated broadcast and post production facilities are becoming tasks of enormous importance. In a world full of transition considerations, implementation nightmares and multi-format conversion compatibility concerns, moving from an analog facility to the digital domain is an engineering challenge that cannot be easily dismissed. Technology changes and obsolescence considerations add to the overall scheme, making

the job of running an effective broadcast and post production facility a true challenge. On top of all this, we are asking our engineering and operations staff to keep working at top speed — to never miss a beat — while they learn the new digital video transmission standards. The differences in testing philosophy between digital and analog systems are vast. Bridging the gap between analog and digital systems, and successfully integrating digital islands within an analog world, has been a costly and cumbersome task until now ...

INTRODUCING THE LV 5100D COMPONENT DIGITAL AND ANALOG COMBINATION WAVEFORM MONITOR & VECTORSCOPE

Designed specifically for use with mixed digital and analog component video systems, the LV 5100D's multi-functional design provides ease of use for operations staff as well as detailed signal analysis features for engineering personnel. Two serial data inputs facilitate monitoring and testing the digital video side while one analog (3 wire) input permits monitoring and testing the analog side. Stereo analog audio monitoring is also provided. This micro-processor controlled instrument provides the utmost in flexibility — from component analog video tests to EDH monitoring and viewing detailed HEX data on the digital side — the LV 5100D represents the state-of-the-art in video testing technology. Features include:

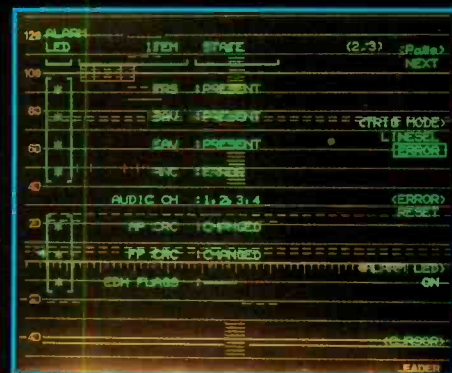
- Two serial and one analog (three wire) component inputs for monitoring signal sources in multi-format environments.
- 525 and 625 line compatibility for added flexibility.
- Waveform monitoring (both for the digital and analog inputs in the traditional Y, Cb, Cr or GBR formats simplifies testing operations and bridges the knowledge gap between the analog and digital world.
- Waveform display modes include overlay, parade and timing with full line selection capabilities for detailed signal inspection.

Circle (22) for Product Information Only

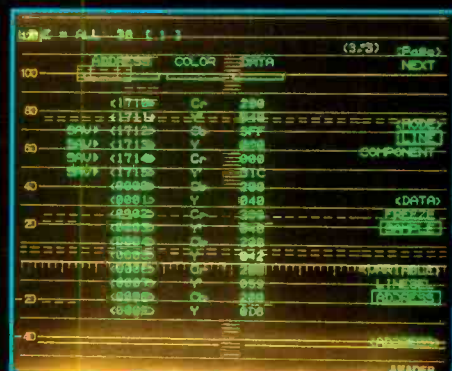
Sweep rates include the traditional 1V, 2V, 1H and 2H for added flexibility.

- Component vector display mode facilitates color space testing.
- EDH error code monitoring as well as monitoring of TRS, EAW, SAV, AFCRC, FFCRC and ancillary data provide unsurpassed digital video testing abilities.
- User selectable alarms facilitate automated warnings in the event of digital video signal failure.
- A monochrome picture display is available on the CRT for quick program material identification. A three wire component monitor output is also available facilitating a connection to an external monitor. A strobe is available on both pictures when using the unit on line select mode to assist in the identification of the lines being tested.
- Detailed digital video signal analysis can be performed using a hex readout of the 1716 data points for a selected line.
- Stereo-audio monitoring with electronic graticule permits audio monitoring and testing.
- A comprehensive set of cursors facilitate easy and error-free waveform readings.

Circle (23) for Product Information & Demonstration



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Manufacturers Address Directory

Continued from page 32

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Fax: +45 4453 5335

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508-453-3100; 800-366-2266
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E-Mail: darshank@aol.com

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Marconi Communications Inc

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703-620-0333
Fax: 703-620-0415

Mark IV Pro Audio Group

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616-695-4750; 800-695-1010
Fax: 616-695-0470

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310-390-6608; 800-800-6608
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817-645-9163
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Fax: 514-685-2853
E-Mail: video.info@matrox.com

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Fax: 602-582-2235

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Fax: 908-879-9679

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Melford Electronics Ltd

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Fax: +44(0)1494 463358

MEMEX Software Inc

303 - 1661 W 8 Ave
Vancouver BC Canada V6J 1V1
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Fax: 604-731-0866
E-Mail: memex@mindlink.bc.ca

Meret Optical Communications Inc

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310-828-7496
Fax: 310-828-7567

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Fax: 415-858-2302

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512-476-3876
Fax: 512-477-3912

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Starkville MS 39759
601-323-5869; 800-647-1800
Fax: 601-323-6551

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603-624-4351; 800-545-0608
Fax: 603-624-4822

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919-870-0344
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503-293-0562; 800-445-1248
Fax: 503-293-0562

Microcon Systems Ltd

1208 Stonely Run Trail
Broadview Heights OH 44147
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Fax: 503-363-4613

Micron Audio Products Ltd

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Fax: 201-857-3756

MicroNet Inc

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Jamison PA 18292
215-491-7400
Fax: 215-491-0260

Micropolis Corp

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Chatsworth CA 91311
818-709-3300; 800-395-3748
Fax: 818-701-2730
E-Mail: peggy_garcia@micropolis.com

Microtime Inc

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Bloomfield CT 06002
860-242-4242; 800-243-1570
Fax: 860-242-3321

MicroVideo Ltd

The Old Farm Offices
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Babraham, Cambs England CB2 4AF
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Midas / Klark Teknik / DDA

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+44(0)1562-741-515
Fax: +44(0)1562-745-371

Midland International

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816-241-8500; 800-669-4567
Fax: 816-420-1144

MII

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610-582-7560; 800-835-8766
Fax: 610-582-0054

Milab Microphones

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Fax: 817-455-2111

Milestone Technologies

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Raleigh NC 27603
919-856-0700
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E-Mail: 76130.3603@compuserve.com;
web site: url http://www.spadion.com/
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Fax: +61(2) 438 2819

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Fax: 201-857-8188

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201-818-3517
Fax: 201-825-4374

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Fax: 408-982-9896

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Newport Beach CA 92660
714-474-1900
Fax: 714-476-1885

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Fax: 514-333-9828

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Fax: 414-232-0220

Jay Mitchell Associates

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Fairfield IA 52556
515-472-4087

E C Mitchell Co Inc

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Middletown MA 01949-0907
508-774-1191
Fax: 508-774-2494

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908-563-9889; 800-889-VIEW

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201-391-0111
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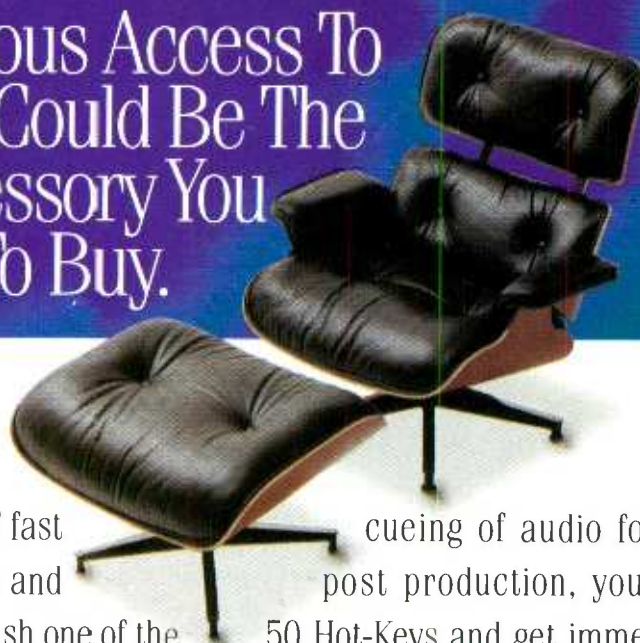
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Fax: 1708-390-9886

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PO Box 9000
Minden NV 89423
702-782-2511; 800-325-7170
Fax: 702-782-4476

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142 W 26th St
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212-242-3737
Fax: 212-924-1243

Potomac Instruments Inc

932 Philadelphia Ave
Silver Spring MD 20910
301-589-2662
Fax: 301-589-2665

Power Integrity Corp

1834 Pembroke Road
Greensboro NC 27408
919-379-9773; 800-237-6260
Fax: 919-379-1301

Power Mark Case Corp

12441 W 49th Ave #5
Wheat Ridge CO 80033
303-421-7912; 800-342-3246
Fax: 303-424-0482

Powercet Corp

2700 Augustine Drive #178
Santa Clara CA 95054
408-988-1346
Fax: 408-988-4869

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Fax: +61 (8) 266-1031

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818-349-9774
Fax: 818-349-4367

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510-449-2101
Fax: 510-449-9148

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Fax: +44(0) 1223 425023

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770-449-5900; 800-451-7171
Fax: 770-449-5457

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Fax: +44(0) 1734 755787
E-Mail: sales@pro-bel.co.uk

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Fax: 203-488-3942

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704-464-4141
Fax: 704-464-5725

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301-598-2357
Fax: 301-598-9459

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805-295-9395
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Fax: 308-284-4181

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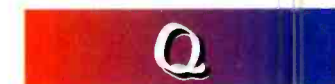
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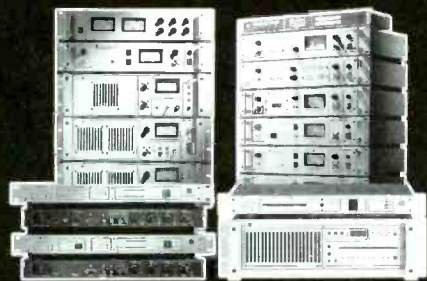
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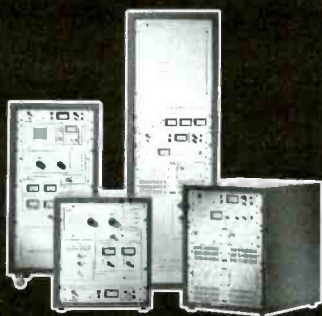
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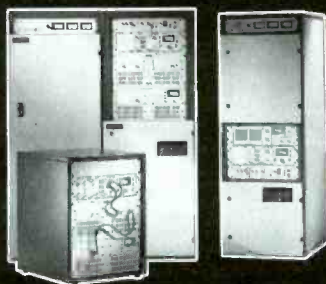
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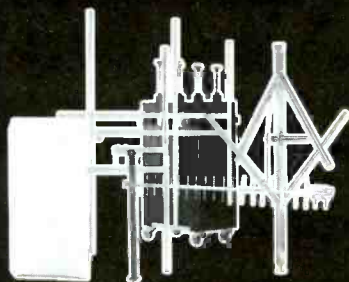
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Fax: 714-754-6174
E-Mail: 76702.2635@compuserve.com;
john_subbiondo@qscaudio.com

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Salem NH 03079
603-893-7707
Fax: 603-893-7714

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Fax: 212-529-9679

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Fax: 805-684-9316

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Fax: 213-874-7753

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Fax: 916-672-7938

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Fax: 206-347-7757

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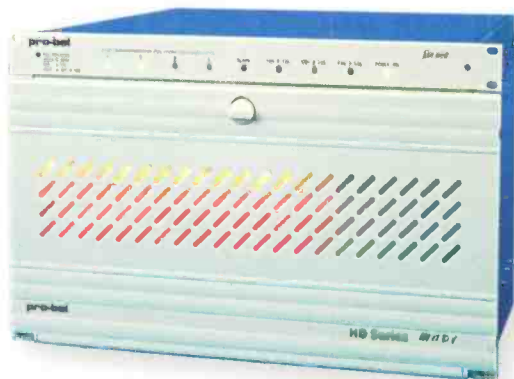
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E-Mail: CIS@74347.2677;
RRathbon@ix.netcom.com

Raytheon Semiconductors

4243 Campus Point Ct
San Diego CA 92121-1513
408-522-7068
Fax: 408-522-7055

RCA Broadcast/GE Support Services

158 Gaither Drive
Mount Laurel NJ 08054
609-866-3147
Fax: 609-866-3146

RCI Systems Inc

5615 Fishers Lane
Rockville MD 20852
301-984-1800
Fax: 301-984-6175

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Highland Park IL 60635
708-432-7915
Fax: 708-432-9181

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Fax: 216-871-4303
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RE Holding A/S

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Copenhagen Denmark DK-2100
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Fax: +45-39-17-0010
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Columbus OH 43215
614-221-5170
Fax: 614-221-8898

Reach Electronics Inc

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308-324-6661; 800-445-0007
Fax: 308-324-4985

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16 Passaic Ave Bldg
Fairfield NJ 07004
201-808-0063
Fax: 201-808-6517

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Northfleet England DA11 8HB
+44(0)1474-328-807
Fax: +44(0)1474-320-285

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Fax: 702-882-5381
E-Mail: rcisaes@aol.com

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408-734-1290; 800-729-7654
Fax: 408-734-2140

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405-942-7337

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Perry GA 31069
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94107
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Fax: 203-357-1531

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Chantilly VA 22021
703-802-7320
Fax: 703-802-7324

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Fax: 909-337-4307

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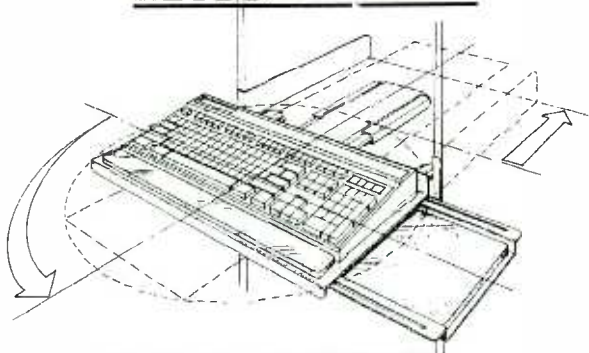
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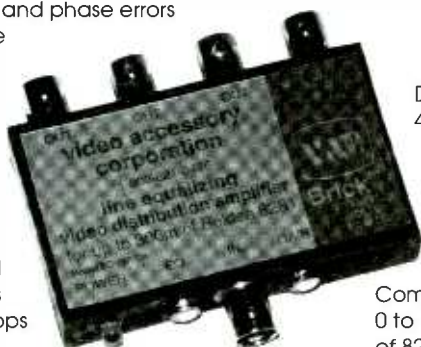
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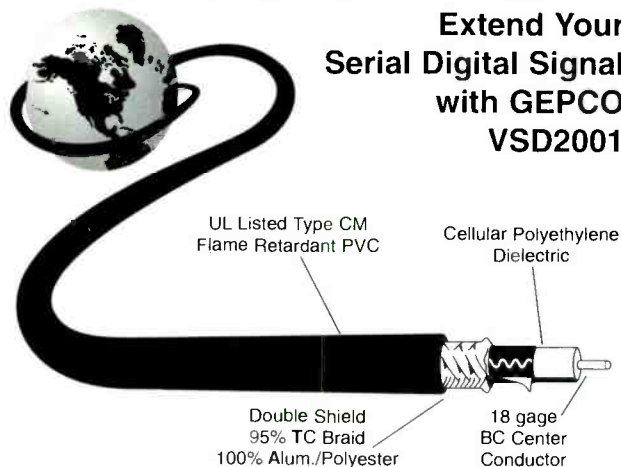
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Swager Communications Inc
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219-495-2515; 800-968-5601
Fax: 219-495-4205

Switek
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Santa Clara CA 95050
408-727-4889; Fax: 408-727-3025

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Switchcraft Inc
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312-631-1234
Fax: 312-792-2129

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SWR Inc
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Edensburg PA 15931
814-472-5436; Fax: 814-472-5552

Symetrix
14926 35th Ave W
Lynnwood WA 98037-2303
206-787-3222; Fax: 206-787-3211

The Synclavier Co/SOC Assoc
Riverrmill Complex, Lebanon NH 03766
603-448-8887
Fax: 603-448-6350
E-Mail: info@synclavier.com;
monica_meaghr@synclavier.com

Synelec
269 Mt Hermon Road #101
Scotts Valley CA 95066
408-461-1193; 800-796-3532
Fax: 408-461-1196

Synergistic Batteries Inc
1800 Sandy Plains Pkwy Bldg 100 #104
Marietta GA 30066
770-919-8080; 800-634-6000
Fax: 770-919-9141

Synergistic Technologies Inc
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Canonsburg PA 15317
412-873-0800; 800-659-7715
Fax: 412-873-4770

Synthesys Research Inc
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Menlo Park CA 94025
415-364-1853
Fax: 415-364-5716
E-Mail: synthesys@well.com

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London England SE27 9RB
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E-Mail: 100256.377@compuserve.com

Sysflex SA
10 Av d'Epenex, PO Box 306
CH-1024 Ecublens Switzerland
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Fax: +41 21-634 3279

System Video
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Chessington Surrey England KT9 1TT
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Fax: +44(0) 1813 91-5522

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Bramley Hants England RG26 5BH
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Fax: +44-1256-882-797

Systems Development Group Inc
5744 Industry Lane #J
Frederick MD 21701
301-846-7990; 800-221-8975
Fax: 301-698-4683

The Systems Group
66 Willow Ave, Hoboken NJ 07030
201-795-4672; Fax: 201-798-3033

Systems Wireless Ltd
465 Herndon Pkwy, Herndon VA 22070
703-471-7887; 800-542-3332
Fax: 703-437-1107
E-Mail: swl@wdn.com



Taber Mfg & Engineering Co
14260 Garden Road #276
Poway CA 92064
619-592-7861
Fax: 619-487-5733

Tactile Technology Inc
13855 Bentley Place
Cerritos CA 90701-0000
310-802-1500
Fax: 310-802-7330

Talk America Radio Network
354 Turnpike St, Canton MA 02021
617-828-4546
Fax: 617-828-3822

Tally Display Corp
120 Clinton Ave, So Nyack NY 10960
914-365-6393; 800-759-TALLY
Fax: 914-359-7078

Tamron Industries Inc
99 Seaview Blvd
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516-484-8880
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Tandberg Data Storage AS
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N-0411 Oslo Norway
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Fax: +44(0) 1236-428-230

Tannoy/TGI North America
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519-745-1158
Fax: 519-745-2364

Tape Storage Systems-TCS
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510-686-1801; 800-874-7240
Fax: 510-686-1802

Tapscan Inc
3000 Riverchase Galleria #850
Birmingham AL 35244
205-987-7456

Target Technology Inc
PO Box 609
Penn Valley CA 95946
916-639-2102
Fax: 916-639-2212

Target Vision
1173 Pittsford-Victor Road
Pittsford NY 14534
800-724-4044
Fax: 716-248-2354
E-Mail: info@targetvision.com

TASCAM
7733 Telegraph Rd
Montebello CA 90640
213-726-0303
Fax: 213-727-7635

Taurus Communications
PO Box 2861, Framingham MA 01701
508-877-2210

J A Taylor & Associates
PO Box 331, Boyertown PA 19512
610-754-6800
Fax: 610-754-9766

Manufacturers Address Directory

Tayo Industries
7510 Sunset Blvd #537
Hollywood CA 90046
818-765-0782
Fax: 818-787-0419

TC Electronic A/S
Grimhøjvej 3
DK-8220 Brabrand Denmark
+45 86262800
Fax: +45 86262928

TC Electronic
717 Lakefield Road #C
Westlake Village CA 91361
805-373-1828
Fax: 805-379-2648

Teac Corp
3-7-3 Naka-cho, Musashino-shi
Tokyo 180 Japan
+81 422-52-5081
Fax: +81 422-52-6783

Tech Electronics Inc
6420 Atlantic Blvd, Norcross GA 30071
770-446-1416
Fax: 770-448-5724
E-Mail: 74243.2257@compuserve.com

Tech Labs Inc
955 Belmont Ave
North Haledon NJ 07508
201-427-5333; 800-848-5468
Fax: 201-427-5455

Techflex Inc
PO Box 119 (50 Station Road)
Spa NJ 07871
201-629-6253
Fax: 201-729-9320

Technet Systems Group
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603-483-5365
Fax: 603-483-0512

Technica Del Arte bv
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+31-43-321 9499
Fax: +31-43-363 9700
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Technical Aesthetics Operations/TAO
PO Box 1254, Rolla MO 65401-1254
314-364-4925; 800-TAO-EDIT
Fax: 314-364-5631

Technical Projects Inc
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708-381-5350; 800-562-5872
Fax: 708-381-4360

Techni-Tool Inc
5 Apollo Rd, Plymouth Meeting PA 19462
610-825-4990
Fax: 610-828-5623

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340 Riverside Dr
Northampton MA 01060
800-464-SPKR
Fax: 413-586-5681
E-Mail: info@technomad.com; http://www.technomad.com

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Via P. Fumaroli 14
I-00155 Roma Italia
+39-6-2280396
Fax: +39-6-2282355

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PO Box 5295, Pittsburgh PA 15206-0295
412-661-1620; 800-543-2233
Fax: 412-361-5103

Tectan Inc
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510-798-2222; 800-832-8261
Fax: 510-798-2224

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Lincolnwood IL 60646
708-677-3000; 800-323-7520
Fax: 708-677-1311
E-Mail: rti@us.com

Tekniche Inc
100 Stonehurst Court
Northvale NJ 07467-2487
201-784-2288
Fax: 201-784-3860

Tekniche Ltd
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Woking - Surrey England GU21 5DH
+44(0)1483-728006
Fax: +44(0)1483-770195

Teko Telecom SRL
Via dell'Industria, 5, San Lazzaro
I-40068 Di Savena (Bologna) Italy
+39-51-6256148
Fax: +39-51-6257670

Tekskil Industries Inc
#108-15290 103A Ave
Surrey, BC Canada V3R 7A2
604-589-1100
Fax: 604-589-1185
E-Mail: tekskil@tekskil.com

Tektronix Inc
14180 SW Karl Braun Drive MS 50-216
Beaverton OR 97077
503-627-4697; 800-426-2200
Fax: 503-627-5593
E-Mail: http://www.tek.com/measurement

Telcom Research
A7-3375 North Service Road
Burlington, Ont. Canada L7N 3G2
905-336-2450
Fax: 905-336-1487

Telcor International AB
Upplagsvagen 1-5
S-11743 Stockholm Sweden
+46 8 182465
Fax: +46 8 182466

Telecast
Fiber Systems, Inc.

Telecast Fiber Systems
102 Grove St
Worcester MA 01605
508-754-4858
Fax: 508-752-1520

Telecommunications Techniques Corp
20410 Observation Drive
Germantown MD 20876
301-353-1550; 800-638-2049
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St Lambert, PQ Canada J4P 2P4
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Hunt Valley MD 21031-1311
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Telefunken Sendertechnik GmbH
Sickingenstraße 20-28
D-10553 Berlin 21 Germany
+49 30 3463-2535
Fax: +49 30 3463-2733

Telemetry Inc
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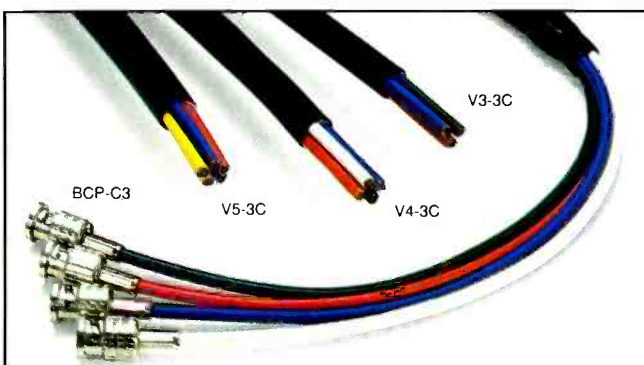
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Oregon City OR 97045
503-656-2774; 800-331-2774
Fax: 503-632-3362

Telescript Inc
445 Livingston St
Norwood NJ 07648
201-767-6733
Fax: 201-784-0323

Teletech Inc
23400 Michigan Ave #615
Dearborn MI 48124
313-562-6873
Fax: 313-562-8612
E-Mail: tti@msen.com

Television Equipment Associates
PO Box 499
S Salem NY 10590-0499
914-763-8893
Fax: 914-763-9158
E-Mail: SJT123@AOL.com

Television Engineering Corp
101 Industrial Dr
Sullivan MO 63080
314-860-4700
Fax: 314-860-4600

Television Systems Ltd
#4 Kings Grove
Maidenhead, Berks England SL6 4DP
+44(0)1628-773904
Fax: +44(0)-1628-773635

Telex Communications Inc
9600 Aldrich Ave S
Minneapolis MN 55420
612-884-4051; 800-823-6107
Fax: 612-884-0043
E-Mail: dan.wright@telex.com

Telfax Communications
2501 N Loop Drive
Ames IA 50010
515-296-9911
Fax: 515-296-9910

Telos Systems
2101 Superior Ave
Cleveland OH 44114
216-241-7225
Fax: 216-241-4103

Tel-Test Inc
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Gainesville FL 32609
904-374-4503; 800-768-0037
Fax: 904-376-3260

Teltron Technologies Inc
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Birdsboro PA 19508
610-582-2711; 800-835-8766
Fax: 610-582-0851

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+39 2 89200131
Fax: +39 2 89200129

Tenco Tower Co
9647 Folsom Blvd
Sacramento CA 95827-1326
916-638-8833
Fax: 916-362-6846



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El Dorado Hills CA 95762
916-939-4005; 800-538-6894
Fax: 916-939-4114

Tepeco Corp
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605-343-7200
Fax: 605-343-7240

Teracom Components AD
S-24291 Hornby Sweden
+46-415-16400
Fax: +46-415-16401
E-Mail: components@teracom.se

Test Probes Inc
9878 Brown Deer Road
San Diego CA 92121
619-552-2090; 800-368-5719
Fax: 619-535-1260

Texas Electronics Inc
PO Box 7225
Dallas TX 75209
214-631-2490; 800-424-5651
Fax: 214-631-4218

Texscan MSI
124 N Charles Lindbergh Drive
Salt Lake City UT 84116
801-359-0077; 800-367-6011
Fax: 801-359-0216

TFT Inc
3090 Oakmead Village Dr
Santa Clara CA 95051-0862
408-727-7272; 800-347-3383
Fax: 408-727-5942

Thames Engineering/Thames Television
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Teddington England TW11 9NT
+44(0)181 614-2800
Fax: +44(0) 181 614-2954

Theatre Service & Supply Corp
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Baltimore MD 21211
410-467-1225
Fax: 410-467-1289

Thermodyne International Ltd
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Ontario CA 91761
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Thomson Broadcast Systems
17 rue du Petit Albi, BP 8244
Cergy St Christophe France F-95801
+33 (1) 3420 7000
Fax: +33 (1) 3420 7047

Manufacturers Address Directory

Thomson Broadcast Inc
PO Box 5266 - 49 Smith St
Englewood NJ 07631
201-569-1650; 800-882-1824
Fax: 201-569-1511

Thomson Components & Tubes Corp

40G Commerce Way
Totowa NJ 07511
201-812-9000
Fax: 201-812-9050

Thomson SA Corporate Comm

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Time Logic Inc
567 Knotty Pine Dr
Incline Village NV 89451
702-833-0200; 800-238-1055
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E-Mail: jim1@sierra.net; web: http://www.timelogic.com

TimeLine Vista Inc
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Fax: 619-727-3620

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860-633-5472
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Fax: 800-749-2121/214-406-6890

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708-297-0070; 800-PIK-TOKO
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Chula Vista CA 91911
619-426-3725; 800-CORD-LOX
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Thor Electronics Corp
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908-486-3300; 800-666-8467
Fax: 908-486-0923

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Westlake OH 44145
216-871-9900
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3M Audio and Video Markets Div
3M Center Bldg 223-5N-01
St Paul MN 55144
612-733-2709
Fax: 612-737-5583

3M Professional A/V & Specialty Products
3M Center 223-5N-01
St. Paul MN 55144-1000
612-736-4179
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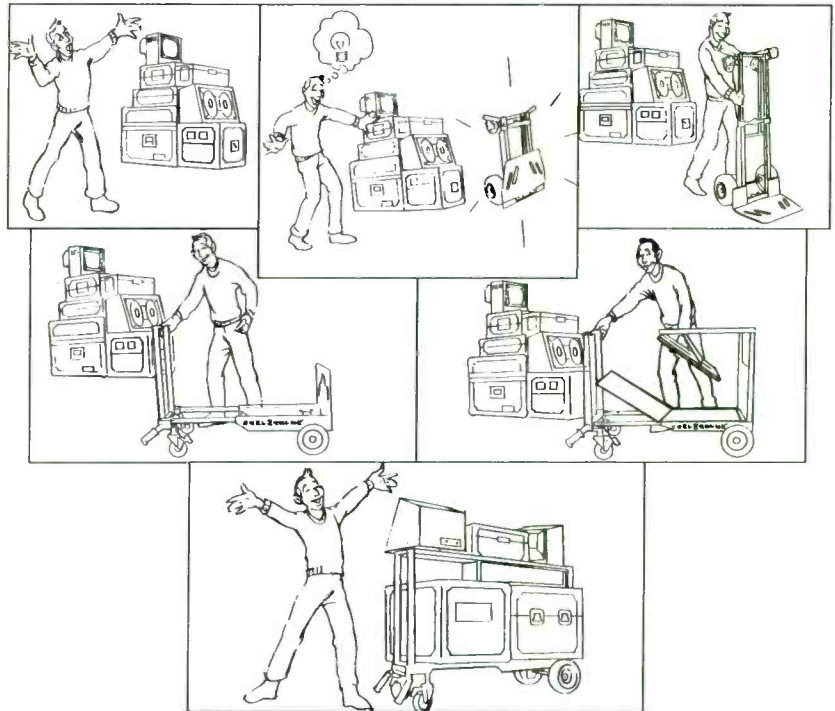
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Buffalo Grove IL 60089
708-541-9400
Fax: 708-541-1927

Toshiba America/Info Systems

9740 Irvine Blvd
Irvine CA 92713-9724
714-583-3181

Toshiba Corp

1-1 Shibaura 1-Chome Minato-ku
Tokyo 105-01 Japan
+81 (3) 345703038
Fax: +81 (3) 3457-0545

Total Audio Concepts Ltd

New Islington Mill, Regent Trading Est
Oldfield Rd. Salford England M5 4SX
+44(61) 834-6747
Fax: +44(61) 1834-0593

Total Concept Sales

501 W Glenoaks Blvd #343
Glendale CA 91202-2896
818-547-9476
Fax: 818-547-9473

Tower Network Services

4130 NW 10th Ave
Ft Lauderdale FL 33309
954-771-7180
Fax: 954-771-7195

Transmission Structures Ltd.

PO Box 907
Vinita OK 74301
918-256-8748

Transtector Systems Inc

10701 Airport Drive
Hayden Lake ID 83835
208-772-8515; 800-882-9110
Fax: 208-762-6133

Transvideo SA

ZI BP 526
Verneuil Sur Avr France 27135
+33 3232 2761
Fax: +33 3260 7479

Tremetrics Inc

2215 Grand Ave Parkway
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512-251-1400
Fax: 512-251-1596

TRF Production Music Libraries

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Fax: 914-356-0895

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Trident House/Rodd Est/Covett Ave
Shepperton Middx England TW17 8AQ
+44 (932) 224665
Fax: +44 (932) 226721

Trilithic Inc

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Indianapolis IN 46236
317-895-3600; 800-344-3412
Fax: 317-895-3613
E-Mail: sales@trilithic.com; http://
www.trilithic.com

Trilogy Broadcast Ltd

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419-358-5015; 800-874-7538
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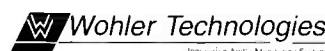
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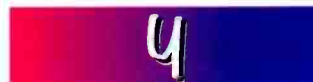
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714-522-9011
Fax: 714-739-2680

Yamashita Engineering Mfg Inc

734 Silver Spur Road # 203
Rolling Hills Estate CA 90273
310-544-9343;
Fax: 310-544-9363

Y/C Plus Inc

310 SW 6th St, Topeka KS 66603-3109
913-235-5014; 800-586-1700
Fax: 913-235-3485



Zaxcom

140 Greenwood Ave
Midland Park NJ 07432
201-652-7878
Fax: 201-652-7776

Zero Stantron

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Pacoima CA 91333
818-890-3445; 800-821-0019
Fax: 818-890-4460

Ziehl Electronic Service

8611 Dale Road, Gasport NY 14067
716-772-7800

Zonal Ltd

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Redhill, Surrey England RH1 2NX
01737-767171
Fax: 01737-767610

Z-Systems

4641-F NW 6th St, Gainesville FL 32609
904-371-0990
Fax: 904-371-0093

ZZZap Power

PO Box 532, Champlain NY 12919
514-369-4919; 800-682-2677
Fax: 514-369-4817

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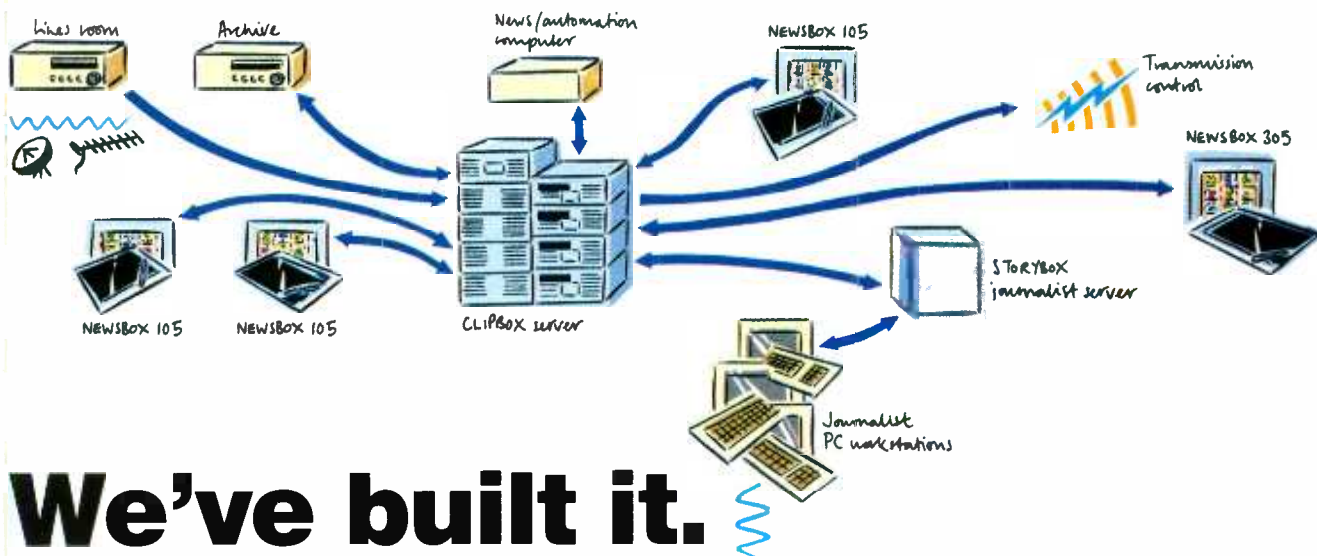
Information for this directory was taken from company responses to a questionnaire mailed in September 1995 to more than 1,800 companies in the broadcast, production and communications industries.

The mailing included all companies participating in the 1994 Buyers Guide, as well as new organizations exhibiting at NAB and other trade shows, new product releases, etc. Companies that have not responded for three or more years are dropped from the directory as a matter of policy.

If your company should be included, please drop a note to:

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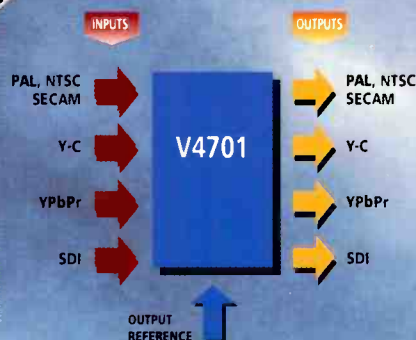
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COMPUSEVERE: 100270,3322

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Product Directory

Colored listings represent companies that have advertisements in this issue. For the location of their respective ads, see page 104.

Audio Products

Amplifiers, Distribution

AAVS/Advanced Audio Visual Systems
Acoustech
Acutron Electroacustica Lda
ADM Systems
AEQ SA
Aphex Systems
API-Audio Products Inc
APS Professional Video Products
Arrakis Systems
ATI-Audio Technologies Inc
Audio Bauer ProAG
Audio Developments Ltd
Audio Intervisual Design
Audioarts Engineering
Audiotronics Inc
Audiobroadcast Ltd
Avitel Electronics Ltd
BAF Communications Corp
BAL Broadcast Ltd
Benchmark Media Systems Inc
BFE Fernmelde Technik & Elektronik AG
BGW Systems Inc
Biamp Systems
Broadcast Devices Inc
Broadcast Equipment & Parts
Canford Audio
Dwight Cavendish Co
C4 Audio Systems
Channelmatic Inc
Communications & Power Industries
Conex Electro Systems Inc
Continental Electronics Corp
D&B Audiotechnik AG
Danbridge A/S
Datatek Corp
Di-Tech Inc
D&R Electronica b.v.
Drawmer Ltd
Drawmer/QMI
DT Electronics Ltd
DTL Broadcast Ltd
DYNALIR Electronics Inc
ESE
FMAcoustics Ltd
Focusrite Audio Eng Ltd
For-A Co Ltd
Fougerolle Audio/Video
FSR Inc
Full Compass Systems Ltd
Fuller Mfg
GEE Broadcast Systems Ltd
Gentner Communications Corp
Ghielmetti Kommunikationstechnik
GP Enterprises Inc
Grass Valley Group
HEDCO
Henry Engineering
HES Electronics
Image Video/Div of 1077541 Ontario Ltd
Inline Inc
Intelix Corp
IRP Professional Sound Products
IRT Electronics Pty Ltd
JBL Professional
J-Lab
JNS Electronics Inc
JT Communications
Kaitronics Corp
KiNTEK Inc
Kramer Electronics
Tony Larking Pro Sales Ltd
Leitch Inc
Link Electronics Inc

Logitek Electronic Systems Inc
Malcolm Hill Associates
McCurdy Radio Industries Ltd
Modulation Sciences
Multidyne Inc
NBT/BSM Systems
Nova Systems Inc
NVision Inc
Ogenic Technologies
Omicron Video
Opamp Labs Inc
Pacific Recorders & Engineering
Perma Power Electronics Inc



PESA Switching Systems Inc

Philip Drake Electronics
Pixel Instruments Corp
Fuller Manufacturing Inc
Practel International Pty Ltd
PRECO (Broadcast Systems) Ltd
Pro-Bel Ltd
Professional Sound Corp
QMI
Radio Design Labs
Radio Systems Inc
Ram Broadcast Systems
RAMI
Ramko Research
Rane Corp
RE
Richmond Sound Design Ltd
Sandar Electronics AS
Satellite Export & Engineering
SAV
Scantex Labs Inc
SCVAudio
Seem Audio A/S
Sescom Inc
Shintron Co Inc
Shure Brothers Inc
Shuttlesound Ltd
Siel Sistemi Elettronici SRL
Siemens AG Österreich/Audio & Video Div
Sierra Video Systems Inc
Sigma Electronics Inc
Snell & Wilcox
Sound Tech
Spectra Sonics
Studer Professional Audio AG
Studio Technologies Inc
Target Technology Inc
TASCAM
Tech Electronics Inc
Tekniche Inc
Telet Inc
Tel-Test Inc
TOA Electronics Inc
Toko America Inc
Trilogy Broadcast Ltd
Utah Scientific - Dynatech
Valley Audio/Galaxy Audio
Video Accessory Corp
Videoquip Research Ltd
Videotek Inc
Viewsonics Inc
Vortex Communications
Ward-Beck Systems Ltd
Wheatstone Corp
Whirlwind
Wiltronix Inc
XTA Electronics Ltd
Yamashita Engineering Mfg Inc

Amplifiers, Monitor, Power

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Acutron Electroacustica Lda
ADM Systems
AEQ SA
Alesis Corp
Altec Lansing
APS Professional Video Products
Arrakis Systems
Ashly Audio Inc
ATI-Audio Technologies Inc
Audio Bauer ProAG
Audio Intervisual Design
Audioscope srl

Audix Broadcast Ltd
BGW Systems Inc
Biamp Systems
Bogen Communications Inc
Broadcast Devices Inc
Broadcast Equipment & Parts
Bryston
CAudio
Canford Audio
Chevin Research Ltd
Conex Electro Systems Inc
Continental Electronics Corp
Crown International Inc
Davicom Technologies Inc
Dukane Corp
Dynaudio Acoustics UK Ltd
EDCOR Electronics
EELAAudio
Electro-Voice Inc
EuroSonAmerica Inc
FMAcoustics Ltd
Focusrite Audio Eng Ltd
Furman Sound Inc
Gentner Communications Corp
GP Enterprises Inc
Group One Ltd
Image Video/Div of 1077541 Ontario Ltd
Industrial Strength Industries
IRP Professional Sound Products
IRT Electronics Pty Ltd
Ivie Technologies Inc
JBL Professional
JNS Electronics Inc
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Link Electronics Inc
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McCurdy Radio Industries Ltd
Panasonic ProAudio/Ramsa
Perfectone Corp SA
Photomart Cine-Video Inc
Fuller Manufacturing Inc
Practel International Pty Ltd
PRECO (Broadcast Systems) Ltd
Prefer / Ummels bv
ProTech Audio Corp
QSC Audio Products Inc
Radio Design Labs
Ram Broadcast Systems
RAMI
Ramko Research
Rane Corp
Renkus-Heinz Inc
Scantex Labs Inc
Sescom Inc
Shuttlesound Ltd
Siel Sistemi Elettronici SRL
Siemens AG Österreich/Audio & Video Div
Sonosax SA
Sound Tech
Spectra Sonics
Michael Stevens & Partners Ltd
Studer Professional Audio AG
Symetrix
Tally Display Corp
TASCAM
Television Systems Ltd
Tel-Test Inc
TOA Electronics Inc
University Sound
UREI
Videoquip Research Ltd
Videotek Inc
Whirlwind
Yamaha Corp

CD Players

Accurate Sound
Audio Bauer ProAG
Audio Design
BARCO-EMT GmbH/Audio Div
Broadcast Equipment & Parts
Canford Audio
Continental Electronics Corp
Denon Electronics
EuroSonAmerica Inc
Fougerolle Audio/Video
Full Compass Systems Ltd
G Prime Ltd
Gefen Systems
Grozik Associates
Kowa Optimized Inc
The Management
Marantz Professional
Optical Media International

Photomart Cine-Video Inc
PRECO (Broadcast Systems) Ltd
Professional Management Services
Richmond Sound Design Ltd
Rorke Data Inc
Stage Tech Developments AB
Studer Professional Audio AG
Studer Editech
Superscope Technologies Inc/Marantz
TASCAM
Wide Range Electronics Corp

Delay Systems & Devices

ADM Systems
AETA
Applied Research & Technology
APS Professional Video Products
Audio/Digital
BARCO-EMT GmbH/Audio Div
Biamp Systems
Digital Processing Systems Inc/DPS
DOD Electronics
DTL Broadcast Ltd
Electro-Voice Inc
Eventide Inc
G Prime Ltd
Graham-Patten Systems
Group One Ltd
harmonia mundi acustia GmbH
IRP Professional Sound Products
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TC Electronic A/S
Tekniche Inc
Vortex Communications
Wiltronix Inc
XTA Electronics Ltd

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AEQ SA
AETA
AEV SRL
Antex Electronics
Apogee Electronics Corp
Astroguide
Audio Bauer ProAG
Audio Intervisual Design
Audio Processing Technology Ltd
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BARCO-EMT GmbH/Audio Div
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Digigram
Dolby Laboratories
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Tayo Industries
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Technica DelArte bv
Total Audio Concepts Ltd
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UREI
Daniel Weiss Engineering Ltd
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Effects Processors

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AMS Neve PLC/A Siemens Co
Applied Research & Technology
Audio Bauer ProAG
BARCO-EMT GmbH/Audio Div
BBE Sound Inc
Broadcast Equipment & Parts
BSS
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Dimension Music and Sound
Effects Inc
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D&R Electronica b.v.
Electro-Voice Inc
Eventide Inc
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G Prime Ltd
harmonia mundi acustia GmbH
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Spectra Sonics
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TC Electronic A/S
TOA Electronics Inc
Total Audio Concepts Ltd
TTE Inc
UREI
Ward-Beck Systems Ltd
Daniel Weiss Engineering Ltd
White Instruments/C Van R
XTA Electronics Ltd
Yamaha Corp
Z-Systems

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AKG Akustische und Kino-Geräte GmbH
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APS Professional Video Products
Audio Bauer ProAG
Audio Intervisual Design
Audio-Technica US Inc
Barbizon Light
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Technical Projects Inc
Telex Communications Inc
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Yamaha Corp

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Audioarts Engineering
Audionics Inc
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HM Electronics Inc
IRT Electronics Pty Ltd
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Television Engineering Corp
Telex Communications Inc
TOA Electronics Inc

trilogy

Trilogy Broadcast Ltd
Vega
Vortex Communications
Ward-Beck Systems Ltd
Wheatstone Corp

Microphones

A Accessories, wind-screens, direct boxes, booms, stands
B Boundary, surface-mounted
H Hand-held, stand
L Lavalier
W Wireless

Ac-cetera Inc A
AKG Acoustics A, B, H, L, W
AKG Akustische und Kino-Geräte GmbH A, B, H, L, W
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Electro-Voice Inc A, H, L, W
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Prefer / Ummels bv A, H, L
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Rapco International L
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Samson Technologies Corp W
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Yamaha Corp

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SOC Associates LP
TASCAM
Tayo Industries
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Yamaha Corp
Yamaha Corp of America

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O On-air radio/TV
P Portable, ENG, mic mixer
R Production, recording, ESAM

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R
ADM Systems O, R
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AEV SRL O
Alesis Corp R
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Broadcast Equipment &
Parts O, P, R
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Comrex Corp P
Continental Electronics Corp O, P, R
Cooper Sound Systems P, R
Crookwood O, R
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Dav Tronics O, R
DDA O, R
DDA O, R
Digital Audio Research Ltd R
DOD Electronics O, P, R
Doremi Labs Inc O, R
D&R Electronica b.v. O, P, R
Drawer/QMI O
EELA Audio O, P, R
Electric Works Corp R
Electro-Voice Inc O, P, R
Euphonix Inc R
Fidelipac Corp O
Focusrite Audio Engineering R
For-A Co Ltd R
Fostex Corp R
Fougerolle Audio/Video O, R
Full Compass Systems Ltd O, P, R
Furman Sound Inc P
G Prime Ltd R
Gentner Communications Corp P
GML Inc
Alan Gordon Enterprises Inc R
GP Enterprises Inc O
Graham-Patten Systems
Group One Ltd R

Hallikainen & Friends Inc O, P
Harrison by GLW O, R
Henry Engineering R
Image Video/Div of 1077541 Ontario Ltd O
Intelix Corp O, P, R
IRP Professional Sound Products P
Ivie Technologies Inc

JK Audio

Remote Broadcast Gear

JK Audio P
J-Lab P
JLCooper Electronics R
JT Communications O, P
Kaitronics Corp P
Tony Larking Pro Sales Ltd P, R
Lectrosystems Inc R
Logitek Electronic Systems Inc O, P
Mackie Designs Inc P, R
The Management
Mark IV Pro Audio Group O, P, R
Media Touch Systems Inc O
MicroAudio Inc P
Micron Audio Products Ltd P
Midas / Klark Teknik / DDA O, R
Nady Systems Inc P
Neotek Corp O, R
Georg Neumann GmbH R
Nvision Inc O
Ogenic Technologies O, P
OpTex P
Otari Corp O, R
Pacific Recorders &
Engineering O, P, R
Panasonic Pro Audio/Ramsa O, R
Photomart Cine-Video Inc O, P, R
PRECO (Broadcast
Systems) Ltd O, P, R



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Pro-Bel Ltd O
Professional Management
Services O
Professional Sound Corp O, P, R
ProTech Audio Corp R
QMI O
Radio Design Labs P, R
Radio Systems Inc O, R



Ram Broadcast Systems O
RAMI O, P, R
Ramko Research O, P, R
Rupert Neve R
Samson Technologies Corp R
Sascom Marketing Group O, P, R
Scantex Labs Inc R
Schafer World Communications Corp O, R
Seem Audio A/S O, P, R
Sescom Inc P
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Siemens Audio Co O, R
Solid State Logic O, R
Solidyne O, P, R
Sonic Solutions R
Sonifex Ltd O, R
Sonosax SA O, P, R
Sony Broadcast International R
Sony Business & Professional Group O, P, R
Sound Designers Studio P, R
Sound Tech R
Soundcraft Electronics O, P, R
Soundtracs PLC R
Spectra Sonics P, R
Studer Editech O, P, R
Studer Professional Audio AG O, R
Superscope Technologies Inc/Marantz P
Tactile Technology Inc

Transcoder Model CTC-2

RGB to Components

Components to RGB



Perfect Transcoding

Highest Accuracy

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FAX (408) 735-8571

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Product Directory

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TOA Electronics Inc
Total Audio Concepts Ltd
Trident Audio Developments Ltd
Unitronic
Ward-Beck Systems Ltd
Wheatstone Corp
Whirlwind
Yamaha Corp
Zaxcom

Pre-Amplifiers, Mic, Phono

AAVS/Advanced Audio Visual Systemes
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Aphex Systems
API-Audio Products Inc
Arrakis Systems
Ashly Audio Inc
ATI-Audio Technologies Inc
Audio Intervisual Design
Audiotronics Inc
Benchmark Media Systems Inc
Biamp Systems
Black Audio Devices
Bogen Communications Inc
Broadcast Devices Inc
Broadcast Equipment & Parts
Bryston
Calrec Audio Ltd
Canford Audio
Conex Electro Systems Inc
Continental Electronics Corp
Cooper Sound Systems
Crookwood
DOD Electronics
D&R Electronica b.v.
Drawmer Ltd
DTL Broadcast Ltd
Dukane Corp
EDCOR Electronics
EELA Audio
Emo Systems Ltd
FM Acoustics Ltd
Focusrite Audio Engineering
Full Compass Systems Ltd
Ghielmetti Kommunikationstechnik
GML Inc
HES Electronics
Image Video/Div of 1077541 Ontario Ltd
Intelix Corp
IRP Professional Sound Products
ITI Electronics Inc
Jensen Transformers Inc
JNS Electronics Inc
Tony Larking Pro Sales Ltd
Logitek Electronic Systems Inc
Georg Neumann GmbH
Optex
Pacific Recorders & Engineering
Photomart Cine-Video Inc
Fuller Manufacturing Inc
Practel International Pty Ltd
PRECO (Broadcast Systems) Ltd
Prefer / Ummels bv
ProTech Audio Corp
Radio Design Labs
Ram Broadcast Systems
RAMI
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Sascom Marketing Group
Scantex Labs Inc
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Solid State Logic Inc
Solidyne
Sonosax SA
Spectra Sonics
Studer Professional Audio AG
Studio Technologies Inc
Summit Audio Inc
Superscope Technologies Inc/Marantz
Symetrix
Technica DelArte bv
Tekniche Inc
Tel-Test Inc
TOA Electronics Inc
University Sound
Valley Audio/Galaxy Audio
Videoquip Research Ltd
Ward-Beck Systems Ltd

P, R
O, R
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O, P, R
R
O, P
O, O
O, R
P
P, R
R

Recording & Playback Products

A Analog reel
C Analog cartridge
D Digital/all tape formats
F Film
K Disk recorders, digital, cart replacements
P Duplicators, audio
S Cassette, analog audio

AAVS/Advanced Audio Visual Systemes K
Accom Inc K
Accurate Sound K, P, S
Akai Digital K
Alamco
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Antex Electronics C, D, K
APS Professional Video Products K
ASACA/ShibaSoku Corp of America K
ASC Audio Video K
Audi-Cord Corp C
Audio Bauer Pro A, C, D, K, P, S
Audio Follow K
Audio Intervisual Design C
Augsan Instruments K
BARCO-EMT GmbH/Audio C, D, K
Broadcast Automation Inc A, C
Broadcast Cartridge Service A, C, S
Broadcast Electronics Inc C, K
Broadcast Equipment & Parts A, C, D, P, S
Broadcast Programming A, D
Canford Audio A, C, P, S
Cartworks K
C4 Audio Systems D
Computer Concepts Corp K
Continental Electronics Corp A, C, D, K, S
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Denon Electronics D, K
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Drawmer/QMI D
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Fast Forward Video K
Fiber Options Inc A, D, K, S
Fostex Corp A, D, K, P, S
Full Compass Systems P
Gauss P
Alan Gordon Enterprises Inc A, S
Graff Electronic Machines Ltd P, S
HHB Communications Ltd D
International Tapetronics Corp C, K
JLCooper Electronics D, K
JVC P
KABA Research & Development D, K
The Management F
Management Graphics D, K, S
Marantz Professional K
McCurdy Radio Industries Ltd D
Media Touch Systems Inc K
Mediatron GmbH K
Micro Technology Unlimited D, K
Micropolis Corp K
Music Director Programming Service A, D
Nagra Kudelski SA A, D, K
Netia Digital Audio K
Otan Corp A, D, K, P
Pacific Recorders & Engineering C
Panasonic Pro Audio/Ramsa D
Perfectone Corp SA A, S
Philip Drake Electronics K
Photomart Cine-Video Inc C, D, S
Pioneer New Media Technologies Inc A, C, D, K, S
Plastic Reel Corp of America A
PRECO (Broadcast Systems) Ltd A, C, D, K, P, S
Professional Management Services A, C, D, K, P, S
Prophet Systems Inc D
Publison D
QMI D
Questech
Radio Computing Services/RCS K
Radio Systems Inc K
Recognition Concepts Inc D, K
Roland ProAudio K

SADiE Inc K
Schafer World Communications Corp C
Scott Studios Corp D, K
Siemens Audio Co D
Sierra Design Labs K
Solidyne D
SONDOR Willy Hungerbühler A, F
Sonic Solutions K
Sonifex Ltd C, D, K
Sono-Mag Corp F
Sonosax SA D
Sony Broadcast International
Sony Business & Professional Group C, D, P, S
Sony Recording Media S
Spectral Inc D, K
Studer Editech A, D, K, S
Studer Professional Audio A, D, K, S
Studio Audio & Video Ltd/SADiE K, P
Superscope Technologies Inc/Marantz K, P, S
Tandberg Data Storage AS D, K, P, S
TASCAM A, C, D, P, S, S
Technica DelArte bv K
Texscan MSI D
360 Systems K
TimeLine Vista Inc K
Unitronic K, P
Videoquip Research Ltd K
Yamaha Corp D, S
Zonal Ltd A, D, S

Recording Heads

Audio Intervisual Design
Broadcast Equipment & Parts
Canford Audio
Fidelipac Corp
Fougerolle Audio/Video
International Electro-Magnetics/IEM
JRF Magnetic Sciences Inc
Northern Magnetics Inc
Nortronic
Perfectone Corp SA
PRECO (Broadcast Systems) Ltd
Saki Magnetics Inc
Sprague Magnetics Inc
Studer Professional Audio AG
Studer Editech
Taber Mfg & Engineering Co
TASCAM

Recording Tape

Adtec Audio Video Produkte GmbH
Agfa Corp
Ampex Media
Apogee Electronics Corp
Audio Bauer Pro AG
Audio Intervisual Design
Audiopak Inc
Broadcast Cartridge Service
Broadcast Equipment & Parts
Canford Audio
Carpel Video
Coarc Video
Continental Electronics Corp
Denon Electronics
DIC Digital
Fidelipac Corp
Alan Gordon Enterprises Inc
HHB Communications Ltd
Maxell Corp of America
Panasonic Pro Audio/Ramsa
Photomart Cine-Video Inc
Polyline Corp
PRECO (Broadcast Systems) Ltd
Sony Recording Media
Studio Film & Tape Inc
3M Audio and Video Markets Div
3M Professional AV & Specialty Products
Video-Matic Group
Zonal Ltd

Routing Switchers

AAVS/Advanced Audio Visual Systemes
Acutron Electroacustica Ltda
Adrienne Electronics Corp
Ametel Systems Inc
Arrakis Systems
ASACA/ShibaSoku Corp of America
Audio Bauer Pro AG
Audio Intervisual Design
Audi Broadcast Ltd



AutoPatch/XN Technologies
BEC Technologies Inc
Benchmark Media Systems Inc
Biamp Systems
Broadcast Equipment & Parts
Broadcast Video Systems Ltd
BTS Broadcast Television Systems
Burk Technology Inc
Burst Electronics Inc
C4 Audio Systems
Conex Electro Systems Inc
Datatek Corp
Dav Tronics
Digipath Video Inc
Di-Tech Inc
DK-Audio
Drawmer/QMI
DT Electronics Ltd
DTL Broadcast Ltd
DYNAIR Electronics Inc
Dynatech Video Group
Extron Electronics
For-A Co Ltd
Fougerolle Audio/Video
FSR Inc
Full Compass Systems Ltd
G Prime Ltd
GEE Broadcast Systems Ltd
Gefen Systems

GHIEMMETTI

Ghielmetti Kommunikationstechnik
GP Enterprises Inc
Grass Valley Group
Group One Ltd
Henry Engineering
IGM Communications
Image Video/Div of 1077541 Ontario Ltd
Inline Inc
Intelix Corp
Interface Engineering Corp
International Tapetronics Corp
IRP Professional Sound Products
IRT Electronics Pty Ltd
Ivie Technologies Inc
J-Lab
JNS Electronics Inc
JT Communications
Kaitronics Corp
Kramer Electronics
Leitch Inc
Lighthouse/A Sundance Systems Co
Link Electronics Inc
Logitek Electronic Systems Inc
The Management
McCurdy Radio Industries Ltd
Miles Tek Inc
Multidyne Inc
NBT/BSM Systems
Georg Neumann GmbH
Nova Systems Inc
NTP Elektronik A/S
NVision Inc
Ogenic Technologies
Opamp Labs Inc
Pacific Radio Electronics
Pacific Recorders & Engineering



PESA Switching Systems Inc
Philip Drake Electronics
Photomart Cine-Video Inc
Plasmec Systems Ltd
Practel International Pty Ltd
PRECO (Broadcast Systems) Ltd
Pro-Bel
Professional Management Services
ProTech Audio Corp
QMI
Radio Design Labs
Ram Broadcast Systems

Product Directory

RAMI
Ramko Research
Richmond Sound Design Ltd
Sandar Electronics AS
SAV
Scantex Labs Inc
SCVAudio
Seem Audio A/S
Shintron Co Inc
Siemens AG Österreich/Audio & Video Div
Sierra Automated Systems Eng Corp
Sierra Video Systems Inc
Sony Business & Professional Group
Sprocket Digital
Studer Professional Audio AG
Target Technology Inc
Tektronix Inc
Telect Inc
Tel-Test Inc
360 Systems
Titus Technological Labs
TMT electronics AG
Utah Scientific - Dynatech
Videoquip Research Ltd
Vistek Electronics Ltd
Vortex Communications
Daniel Weiss Engineering Ltd
Willtronix Inc

Wohler Technologies
Innovative Audio Monitoring Systems
Wohler Technologies Inc

Speakers & Enclosures

A2T Production
AAVS/Advanced Audio Visual Systemes
ACM: Akustik und Studioplanungs GmbH
Acoustech
Alesis Corp
Altec Lansing
Atlas/Soundolier - Atapco Security & Com
Audio Bauer Pro AG
Audio Intervisual Design
Audi Corp
Auerheimer Labs & Co
Auratone Corp
Beck Associates Inc
BGW Systems Inc
Broadcast Equipment & Parts
Canford Audio
Clear-Com Systems
Community Professional Loudspeakers
Conex Electro Systems Inc
Continental Electronics Corp
D&B Audiotechnik AG
Drawmer/QMI
Dukane Corp
Dynaudio Acoustics UK Ltd
EELA Audio
Electro-Voice Inc
Fostex Corp
Fougerolle Audio/Video
Frazier
Genelec Oy
Group One Ltd
HHB Communications Ltd
ITI Electronics Inc
JBL Professional
JNS Electronics Inc
Koss Corp
KRK Monitoring Systems
Lakeside Associates Inc
Tony Larking Pro Sales Ltd
Malcolm Hill Associates
Marantz Professional
Keith Monks Sound Systems
Nady Systems Inc
Panasonic Pro Audio/Ramsa
Perfection Corp SA
Perma Power Electronics Inc
PHLAudio
Photomart Cine-Video Inc
Pioneer New Media Technologies
Practel International Pty Ltd
PRECO (Broadcast Systems) Ltd
QMI
Renkus-Heinz Inc
SCVAudio
Shuttlesound Ltd
Sound Tech
Spectra Sonics
Michael Stevens & Partners Ltd
Studer Professional Audio AG
Tannoy
Technomad Inc

Television Systems Ltd
TOA Electronics Inc
UREI
Vandenberghe Profenex BV
Videoquip Research Ltd
Wave:Space Inc
Westlake Audio

Wohler Technologies
Int'l Assoc. Audio Monitoring Systems

Wohler Technologies Inc
Yamaha Corp

Stereo Correctors, Synthesizers

ADM Systems
Audio Bauer Pro AG
AudioControl Industrial
BARCO-EMT GmbH/Audio Div
BFE Femmelde Technik & Elektronik AG
Broadcast Equipment & Parts
CEDAR Audio Ltd
FM Systems Inc
G Prime Ltd
Ghielmetti Kommunikationstechnik
JNS Electronics Inc
Philip Drake Electronics
Sample Rate Systems Oy
Studio Technologies Inc
Tayo Industries
Titus Technological Labs
Videoquip Research Ltd

Transformers, Matching, Splitting

Altec Lansing
Audio Bauer Pro AG
Audio Intervisual Design
Beck Associates Inc
beyerdynamic
Black Audio Devices
Bogen Communications Inc
Broadcast Equipment & Parts
Canare Cable Inc
Canford Audio
Deerfield Laboratory
D&R Electronica b.v.
Emo Systems Ltd
ESE
FSR Inc
Group One Ltd
HES Electronics
Intel Corp
ITI Electronics Inc
Jensen Transformers Inc
JK Audio
Lundahl Transformers
Georg Neumann GmbH
North Hills Electronics Inc
Photomart Cine-Video Inc
PRECO (Broadcast Systems) Ltd
QSC Audio Products Inc
RAMI
Ramko Research
Rane Corp
Solidyne

Spectra Sonics
Studer Professional Audio AG
Tannoy/TGI North America
TASCAM
Teracom Components AD
University Sound
Videoquip Research Ltd

Telephone Bandwidth Extenders

AEQ SA
AETA
Broadcast Equipment & Parts
Comrex Corp
Gentner Communications Corp
PRECO (Broadcast Systems) Ltd
Solidyne
Tayo Industries
Vortex Communications

Telephone Hybrids

AAVS/Advanced Audio Visual Systemes
AEQ SA
AEV SRL
Audio Intervisual Design
Audi Broadcast Ltd
Broadcast Equipment & Parts
Comrex Corp
Dateq Audio Technologies
D&R Electronica b.v.
EELA Audio
Fougerolle Audio/Video

Gentner

Gentner Communications Corp
IRP Professional Sound Products
ITI Electronics Inc
JK Audio
JT Communications
Lectrosonics Inc
NTP Elektronik A/S
NVision Inc
Ogenic Technologies
Photomart Cine-Video Inc
Plasmec Systems Ltd
Fuller Manufacturing Inc
PRECO (Broadcast Systems) Ltd
Professional Sound Corp
Radio Systems Inc
RAMI
R-Columbia Products Co Inc
Solidyne
Sonifex Ltd
Studer Editech
Studer Professional Audio AG
Swintek
Telos Systems
Vortex Communications

Time Modification Eqpt

Audio Intervisual Design
Digigram
Lexicon Inc
Micro Technology Unlimited
Ogenic Technologies

PRECO (Broadcast Systems) Ltd
Solidyne
Sonic Solutions
Sony Business & Professional Group
Spectral Inc
Tayo Industries
360 Systems
TimeLine Vista Inc

Turntables & Cartridges, Phono

Audio-Technica US Inc
BARCO-EMT GmbH/Audio Div
Broadcast Equipment & Parts
Canford Audio
Continental Electronics Corp
Denon Electronics
EELA Audio
Full Compass Systems Ltd
Photomart Cine-Video Inc
PRECO (Broadcast Systems) Ltd
Stanton Magnetics Inc

Video Products

Amplifiers, Distribution

AAVS/Advanced Audio Visual Systemes
Allen Avionics Inc
Alpha Image Ltd - Dynatech
APS Professional Video Products
ASACA/ShibaSoku Corp of America
Audio Intervisual Design
Avitel Electronics Ltd
BAL Broadcast Ltd
BTS Broadcast Television Systems
Burle Industries Inc
Burst Electronics Inc
Dwight Cavendish Co
Channelmatic Inc
Communications Specialties Inc
Datatek Corp
Davicom Technologies Inc
Digital Processing Systems Inc/DPS
Di-Tech Inc
DT Electronics Ltd
DTL Broadcast Ltd
DYNAIR Electronics Inc
Elantec Inc



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Grass Valley Group
HEDCO
HORITA
Image Video/Div of 1077541 Ontario Ltd
Inline Inc
IRT Electronics Pty Ltd
J-Lab
Kaitronics Corp
Knox Video
Kramer Electronics
Tony Larking Pro Sales Ltd
Leitch Inc
Link Electronics Inc
Matthey Electronics
McCurdy Radio Industries Ltd
Mira Vision Inc
Miranda Technologies Inc
Modulation Sciences
Monroe Electronics Inc



Multidyne Inc
NBT/BSM Systems
Network Technologies Inc
Nova Systems Inc
Omicron Video
Opamp Labs Inc
Pacific Radio Electronics
PESA Electrónica S.A.



PESA Switching Systems Inc
Philip Drake Electronics
Philips Broadband Networks Inc
Pixel Instruments Corp
Practel International Pty Ltd
Pro-Bel Ltd
ProTech Audio Corp
Radio Design Labs
RE
Ross Video Ltd
Santar Electronics AS
SAV
Scantex Labs Inc
Shintron Co Inc
Sierra Video Systems Inc
Sigma Electronics Inc
Snell & Wilcox
ST Keltec Corp
Target Technology Inc
Tech Electronics Inc
Tekniche Inc
Telect Inc
Television Equipment Associates
Tel-Test Inc

Thomson Broadcast Inc
TokoAmerica Inc
Trilogy Broadcast Ltd
TV Equipment - Matthey
TV One Multimedia Solutions
Utah Scientific - Dynatech
VGV Inc (Video Gainesville)
Vicon Industries Inc
Video Accessory Corp
Videoquip Research Ltd
Videotek Inc
Viewsonics Inc
Vistek Electronics Ltd
Vortex Communications
Wiltronix Inc

Animation Eqpt

Accu-Weather Inc
APS Professional Video Products
Aurora/Chyron Corporation
AVID Technology Inc
AVS Graphics Ltd
BCD Associates Inc
C-COR Electronics Inc
CoSA-The Company of Science
& Art
Data Translation/MultiMedia Group

Diaquest Inc
Digital Processing Systems Inc/DPS
Discreet Logic
Dynatech Video Group
Electric Image Inc
FAST Electronic
FAST Multimedia
Fast Forward Video
GEE Broadcast Systems Ltd
Getris Images
Alan Gordon Enterprises Inc
Intelligent Resources
Integrated Systems
Intervideo
JLCooper Electronics
KUB Systems
Laurentel Systems Inc
Linker Systems Inc
Matrox Electronic Systems
Microtime Inc
Neilson-Hordell Ltd
Oxberry
Parallax Graphics Systems Ltd
Pinnacle System
Quantel Inc
Questech
Recognition Concepts Inc
Ringwood Associates Ltd

Scitex Digital Video

Scitex Digital Video
(formerly *Abekas Video Systems*
and *ImMix*)
Sierra Design Labs
Snell & Wilcox
Softimage
Spaceward Graphics Ltd
ULTIMATE Corp
VAS Group Inc
Vertigo Technology
Viewpoint DataLabs
Visionetics Int'l
Wavefront Technologies
WeatherNewsAmerica
WSI Corp
XAOSTools
Yamashita Engineering Mfg Inc

Camera Cables

AAVS/Advanced Audio Visual Systemes
APS Professional Video Products
Avech Systems Inc
Belden Wire & Cable Company
BTS Broadcast Television Systems



Canare Cable Inc
Carmen Abato Enterprises Inc/CAE
Clark Wire & Cable
Cole Wire & Cable Co Inc
Entertainment Technology Cable Inc



GEPCO INTL INC
CHICAGO, IL

Gepco International Inc
Hitachi Denshi America Ltd
Marshall Electronics Inc
MilesTek Inc
Mogami / Mit Inc
Nemal Electronics Int'l Inc
Newark Electronics
Panasonic Broadcast & Television
PERROT 'The Battery People'
Photomart Cine-Video Inc
Prefer / Ummels bv
Rapco International
Rathbone Energy Systems Inc
Thomson Broadcast Inc
Trompeter Electronics Inc

Cameras, Film & Film Editors

Arriflex Corp
AVID Technology Inc
BCD Associates Inc

Alan Gordon Enterprises Inc
Innovision Optics
Keystone Metal Products Inc
Lightworks/USA
Neilson-Hordell Ltd
Sony Business & Professional Group
Steenbeck Inc

Camera, Video/TV

**C Camcorder, 1-piece
camera/recorder systems**

H HDTV
P ENG/EFP/Portable
W Still video systems
S Studio

APS Professional Video Products C, H, P, S
AVID Technology Inc P
Avech Systems Inc C
Bencher Inc C
BTS Broadcast Television Systems C, H, P, S
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Camera Imaging Devices

Avech Systems Inc
BTS Broadcast Television Systems
Daily Electronics Corp
EEV
EEV Ltd
Elmo Mfg Corp
Image Devices Int'l
MII
Nytone Inc
Philips Components
Sony Business & Professional Group
Superscope Technologies Inc/Marantz
Teltron Technologies Inc
Thor Electronics Corp
Toshiba Corp
Video Engineering Ltd

Camera Remote Controls

AMX Corp
APS Professional Video Products
BTS Broadcast Television Systems
CH Products
Cole Wire & Cable Co Inc
Concept W Systems Inc
Creston
CSI Camera Support International
Force Inc
Alan Gordon Enterprises Inc
GP Enterprises Inc
Hitachi Denshi America Ltd
Innovision Optics
J-Lab
JVC
Neilson-Hordell Ltd

News/Sports Microwave Rental Inc
Nytone Inc
OpTex
Panasonic Broadcast & Television
Radamec EPO Ltd
Radamec Inc
The M S Russin Group Inc
Sony Business & Professional Group
Telemetrics Inc
Thomson Broadcast Inc
Troll Technology Corp
Tron-Tek Inc
Vicon Industries Inc

Vinten

Vinten TSM
Wescam Inc

Camera Stabilizers

Aerial Films Inc
APS Professional Video Products
Canon USA Inc
Carter Cartop Mfg Co
Cinekinetic
Cinema Products Corp
CSI Camera Support International
FSR Inc
Alan Gordon Enterprises Inc
OpTex
Photomart Cine-Video Inc
Wescam Inc

Camera Support, Position Products

C Copy stands
**D Pedestals, tripods,
dollies, cranes,**
T Pan/tilt heads

Amel Systems Inc
AMX Corp
APS Professional Video Products
Arriflex Corp
Bogen Photo Corp
CamMate Systems/Studios
Canon USA Inc
CH Products



Chapman/Leonard Studio Equipment Co D
Chapman/Leonard Studio & Production D, T
Cinekinetic D, T
Cinema Products Corp D, T



CSI Camera Support Int'l D, T
Eagle Systems D
Fujinon Inc T
Alan Gordon Enterprises Inc D, T
Innovision Optics D, T



Kart-A-Bag D
Keystone Metal Products Inc D
K&H Products Ltd D
Light Wave Systems
The Lightmaker Co/Camera Platforms nt'D, T
Peter Lisand Corp D, T
Matthews Studio Group/ITE D, T
Miller Fluid Heads D
Nalpak Video Sales Inc C, T
Neilson-Hordell Ltd
News/Sports Microwave Rental Inc D, T

Product Directory

CoSA-The Company of Science & Art
D-Vision Systems Inc
Data Translation/MultiMedia Group
Diaquest Inc
Digital Graphix
Discreet Logic
ECHOlab Inc
EMC - Dynatech
FAST Electronic US Inc
FAST Multimedia
Feral Industries
For-A Co Ltd
Fougerolle Audio/Video
GEE Broadcast Systems Ltd
Getris Images
Grass Valley Group
James Grunder & Associates Inc
JLCooper Electronics
JVC
KUB Systems
Newtek Inc
Parallax Graphics Systems Ltd
Pinnacle System
Quantel Inc
Questech

Scitex Digital Video

Scitex Digital Video
(formerly Abekas Video Systems & ImMix)

SNELL & WILCOX

Snell & Wilcox
Softimage
Sony Broadcast International
Sony Business & Professional Group
Toshiba Corp
VideoFusion Ltd Partnership
Videonics
Wavefront Technologies
XAOS Tools

Editing Controllers

Accom Inc
Adams-Smith
ADCOM Electronics
Ampex Corp
Amtel Systems Inc
APS Professional Video Products
ASC Audio Video
Audio Kinetics UK Ltd
AVS Graphics Ltd
Broadcast Electronic Services
BTS Broadcast Television Systems
Calaway Editing - Dynatech
Chyron Corp
CMX/Chyron Group
Diaquest Inc
Doremi Labs Inc
Dynatech Video Group
Eastman Kodak Co
Editing Technologies Corp/ETC
Ensemble Designs
FAST Electronic US Inc
FAST Multimedia
Fast Forward Video
For-A Co Ltd
FutureVideo
Grass Valley Group
Imagine Products Inc
JVC Professional Products Co
JVC
Lightworks/USA
Matrox Electronic Systems
Montage Group Ltd
NTSC Productions
Panasonic Broadcast & Television



Quantel Inc
RGB Computer & Video
Ringwood Associates Ltd
SADIE Inc
Scitex Digital Video (formerly ImMix)
Sierra Design Labs
Sony Broadcast International

Sony Business & Professional Group
Strassner Editing Systems
Sundance Digital Inc
Technical Aesthetics Operations/TAO
Tel-Test Inc
Thomson Broadcast Inc
TimeLine Vista Inc
TV One Multimedia Solutions
United Media
Videomedia Inc
Videonics

Encoders, Decoders

AAVS/Advanced Audio Visual Systemes
Accom Inc
AETA
Alpha Image Ltd - Dynatech
APS Professional Video Products
ASACA/ShibaSoku Corp of America
BAL Broadcast Ltd
Broadcast Systems Design
Broadcast Video Systems Ltd
BTS Broadcast Television Systems
Burst Electronics Inc
Channelmatic Inc
Communications Specialties Inc
Compression Labs
Comtech Antenna Systems Inc
Digipath Video Inc
DT Electronics Ltd
DTL Broadcast Ltd
DVS GmbH/Digitale Videosysteme
Elantec Inc
Ensemble Designs
Extron Electronics
Faroudja Laboratories Inc
Feral Industries
Folsom Research
For-A Co Ltd
Fougerolle Audio/Video
GEE Broadcast Systems Ltd
Grass Valley Group
Hamlet Video International Ltd
I-Den Videotronics Inc
Inline Inc
Instant Replay
Intelligent Resources Integrated Systems
Intelvideo Inc
James Grunder & Associates Inc
Kramer Electronics
Leitch Inc
Link Electronics Inc
LNR Communications Inc
Macrovision Corp
MicroVideo Ltd
Microwave Filter Co Inc
Mira Vision Inc
Miranda Technologies Inc
MMS GmbH
Nova Systems Inc
Omnicron Video
Optibase Inc
OptImage
Philips TV Test Equipment
Photon (P E Photon)
Prime Image Inc
Pro-Bel Ltd
Quanta Corp - Dynatech
Questech
Raytheon Semiconductor
RE America Inc
RE Holding A/S
RGB Spectrum
SAV
Scientific Atlanta
Scitex Digital Video
(formerly Abekas Video Systems)
Shintron Co Inc
Sierra Design Labs
Sigma Electronics Inc

SNELL & WILCOX

Snell & Wilcox
Sony Business & Professional Group
System Video
Tekniche Ltd
Thomson Broadcast Systems
Tiernan Communications
Toko America Inc
Transvideo SA
TV One Multimedia Solutions
VAS Group Inc
Video Int'l Development Inc
Vistek Electronics Ltd
Vortex Communications

Wiltronix Inc
Y/C Plus Inc

Filters, Optical

Barbizon Light
Electrophysics Night Vision
F Prime Optics
Alan Gordon Enterprises Inc
Lee Filters Ltd
Marshall Electronics Inc
L E Nelson Sales Corp
Nikon Inc
OpTex
Photomart Cine-Video Inc
Rosco Labs Inc

Format Translators

AAVS/Advanced Audio Visual Systemes
Alpha Image Ltd - Dynatech
APS Professional Video Products
Avitel Electronics Ltd
Broadcast Video Systems Ltd
Comtech Antenna Systems Inc
Digital Vision (DV Sweden AB)
DT Electronics Ltd
DTL Broadcast Ltd
Elantec Inc
FM Systems Inc
Folsom Research
For-A Co Ltd
Grass Valley Group
I-Den Videotronics Inc
Intelligent Resources Integrated Systems
J-Lab
Leitch Inc
Microtime Inc
Nova Systems Inc
Prime Image Inc
Snell & Wilcox
Sony Business & Professional Group
Tekniche Ltd
Thomson Broadcast Inc
Transvideo SA
Video Int'l Development Inc
Vistek Electronics Ltd
Vortex Communications
Wiltronix Inc

Generators, Safe Area, Source ID

AAVS/Advanced Audio Visual Systemes
ASACA/ShibaSoku Corp of America
Boland Communications
Broadcast Video Systems Ltd
Burst Electronics Inc
Comtech Antenna Systems Inc
DT Electronics Ltd
DTL Broadcast Ltd
ESE
GP Enterprises Inc
Gray Engineering Labs Inc
Hamlet Video International Ltd
HORITA
Image Video/Div of 1077541 Ontario Ltd
Leitch Inc
Link Electronics Inc
Magni Systems
MicroVideo Ltd



Multidyne Inc
Practel International Pty Ltd
QSI Systems Inc
Sigma Electronics Inc
Sprocket Digital
Tally Display Corp
Tektronix Inc
Transvideo SA
Video Accessory Corp
Video Data Systems
Videoquip Research Ltd
Vortex Communications
Wiltronix Inc

Graphics Systems

Accom Inc
Accu-Weather Inc
Alias Research Corp
APS Professional Video Products

Aurora/Chyron Corporation
Automated Weather Source
AVS Graphics Ltd
Aydin Controls
Baron Services Inc
Chyron Corp
CoSA-The Company of Science & Art
D-Vision Systems Inc
Diaquest Inc
Digital Graphix
Display Systems Int'l Inc
Dynatech Video Group
Getris Images
InnoVision Technology
Inscriber Character Generator
Intergraph Computer Systems
Interlace Engineering Corp
JLCooper Electronics



KUB Systems
Laurentel Systems Inc
Linker Systems Inc
Matrox Electronic Systems
Media Computing Inc
MMS GmbH
Newtek Inc
Parallax Graphics Systems Ltd
Photon (P E Photon)
Pinnacle System
Pixel Power Ltd
QSI Systems Inc
Quantel Inc
Softimage
Spaceward Graphics Ltd
Teledac Inc
Thomson Broadcast Inc
Truevision/Raster Ops
TV One Multimedia Solutions
Verigo Technology
Video Data Systems
Visionetics Int'l
Wavefront Technologies
WSI Corp
XAOS Tools
Yamashita Engineering Mfg Inc

Hardcopy Printers, Video

Diaquest Inc
GEE Broadcast Systems Ltd
Hewlett-Packard Co
ict GmbH
Imagine Products Inc
Panasonic Broadcast & Television
Perfectone Corp SA
Sharp Electronics Corp
Sony Broadcast International
Sony Business & Professional Group
Teledac Inc

HDTV, ATV Eqpt

ADTT (Advanced Digital Television Technologies)
ASACA/ShibaSoku Corp of America
Astre Systems Inc
BTS Broadcast Television Systems
Digital Vision (DV Sweden AB)
DVS GmbH/Digitale Videosysteme
Eastman Kodak Co
Faroudja Laboratories Inc
Force Inc
ict GmbH
JVC
Keystone Metal Products Inc
Mira Vision Inc
NTL
Omnicron Video
Quantel Inc
Rank Cintel Ltd
Snell & Wilcox
Sony Business & Professional Group
Thomson Broadcast Inc
Toshiba Corp
VAS Group Inc
Viewgraphics

Keyers

AAVS/Advanced Audio Visual Systemes
Alpha Image Ltd - Dynatech
APS Professional Video Products
Broadcast Video Systems Ltd

Product Directory

Comtech Antenna Systems Inc
DT Electronics Ltd
EMC - Dynatech
Ensemble Designs
For-A Co Ltd
GP Enterprises Inc
Image Video/Div of 1077541 Ontario Ltd
Interface Engineering Corp
J-Lab
JVC
Leitch Inc
MicroVideo Ltd
Pracel International Pty Ltd
Pro-Bei Ltd
Quantel Inc
Questech
SAV
Snell & Wilcox
Tel-Test Inc
Thomson Broadcast Systems
TV One Multimedia Solutions
ULTIMATE Corp
VGV Inc (Video Gainesville)
Videonics
Vistek Electronics Ltd
Vortex Communications

Lighting Instruments, Kits

S Screens, non-electronic illumination control devices/reflectors

Anton/Bauer Inc
APS Professional Video Products
Arriflex Corp
Balcarr
Barbizon Light
Bardwell & McAlister Inc
Broadcast Marketing Int'l Ltd
CAE Inc/Littlite
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Cine 60 Inc
Colortran Inc
Dedotec USA Inc
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Alan Gordon Enterprises Inc
Group One Ltd
Keystone Metal Products Inc
K5600 Inc
Kobold Licht/Beleuchtungstechnik
Lee Filters Ltd
Leonetti Company
Lighthouse Group Inc

lowel®

Lowel-Light Mfg Inc
LTM Corp of America
Lumitrol Ltd
Mole-Richardson Co
NRG Research
Packaged Lighting Systems Inc
PEP Inc
Premier Lighting & Production Co
Sachtler AG
Sinar Bron
Strand Lighting Inc
Theatre Service & Supply Corp
Videssence
Vincent Lighting Systems Co
Vistek Electronics Ltd
Walter Brewer Corp
F J Westcott Co

Lamps, Studio & Projection

Ac-cetera Inc
Adcoar Inc
APS Professional Video Products
Barbizon Light
Dedotec USA Inc
Frezolini Electronics Inc
Alan Gordon Enterprises Inc
Gray Supply Co
The Great American Market
Group One Ltd
HPG Industries (Sharp Electronics)
ILC Technology

Koto Luminous Corp
LTM Corp of America
Lumitrol Ltd
Mole-Richardson Co
L E Nelson Sales Corp
OpTex
Osram Sylvania Inc
Packaged Lighting Systems Inc
Philips Lighting
Photomart Cine-Video Inc
Premier Lighting & Production Co
Pro Battery Inc
Sachtler AG
George R Snell Associates
Strand Lighting Inc
Theatre Service & Supply Corp
Vantage Lighting Inc
Vincent Lighting Systems Co

Lighting Consoles & Dimmers

Ac-cetera Inc
Barbizon Light
Bardwell & McAlister Inc
Colortran Inc
Dove Systems
Electronics Diversified Inc
Entertainment Technology Cable Inc
The Great American Market
Group One Ltd
Leprecon/CAE Inc
LTM Corp of America
Lumitrol Ltd
Packaged Lighting Systems Inc
Premier Lighting & Production Co
Richmond Sound Design Ltd
Sachtler AG
Strand Lighting Inc
Theatre Service & Supply Corp
Vincent Lighting Systems Co

Lens Systems

Alpine Optics Inc

Angenieux SA
APS Professional Video Products
Arriflex Corp
Avtech Systems Inc
Canon USA Inc
Century Precision Optics
Electrophysics Night Vision
Elmo Mfg Corp
F Prime Optics
Fujinon Inc
Alan Gordon Enterprises Inc
Innovision Optics
Marshall Electronics Inc
Nikon
OpTex
Photomart Cine-Video Inc
Tamron Industries Inc
Tiffen Mfg Corp
Vicon Industries Inc
Visual Methods Inc

Monitors, Video

H HDTV
S Mono, Color
R Sunshades
W Videowalls
Z Replacement, Rebuilt CRTs

APS Professional Video Products
ASACA/ShibaSoku Corp of America
Barco Inc
BTS Broadcast Television Systems
Comtech Antenna Systems Inc
Dotronix Inc
EEV Ltd
Electronic Visuals
Elmo Mfg Corp
Feral Industries
Hoodman Corp
ict GmbH
Ikegami Electronics (USA) Inc

James Grunder & Associates Inc
JVC Professional Products Co
Light Wave Systems
Melford Electronics Ltd
Mitsubishi Imaging Products Electronics
MultiVideo Image Display Co
OpTex
Panasonic Broadcast & Television
PESA Electronica S.A.
Photomart Cine-Video Inc
Pioneer New Media Technologies Inc
Sharp Electronics Corp
Sony Broadcast International
Sony Business & Professional Group
Sumitomo Electric USA Inc
Toshiba Corp
Transvideo SA
Video Display Corp
Video Visions Inc/Delcom
Videotek Inc
Viewgraphics
Virtual Vision Inc
Vistek Electronics Ltd
Willtronix Inc

Optical Disc Systems

A Analog, Recorders, players

D Digital, Recorders, players

Optical Disc Corp
Panasonic Broadcast & Television
Pioneer New Media Technologies
Sony Broadcast & Professional

Prompting Systems, Software

APS Professional Video Products
Audio Video Design Inc
Autocue Ltd
BDL Autocript
Beacon Software Inc

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Product Directory

Comprompter Inc
Computer Concepts Corp
Computer Prompting & Captioning
Cue Tech Teleprompting
EDS Portaprompt Ltd
Lynn Greenberg Electronic Teleprompting
Grozik Associates
ict GmbH
JL Cooper Electronics



Listec Video Corp
Magic Teleprompting Inc
Mirror Image Teleprompter
Photomart Cine-Video Inc
PRECO (Broadcast Systems) Ltd
QTV
Questar Systems Inc
Tekskill Industries Inc
Telescript Inc
Yamashita Engineering Mfg Inc

Projectors, Video

APS Professional Video Products
Barco Inc
Buhl Optical Co
Display Devices Inc
Electrohome
Electrosonic Systems Inc
ict GmbH
JVC
Melford Electronics Ltd
Mitsubishi Imaging Products Electronics
Nytone Inc
Panasonic Broadcast & Television
Pioneer New Media Technologies
Sharp Electronics Corp
George R Snell Associates
Sony Broadcast International
Sony Business & Professional Group
Synelec
Telex Communications Inc
Toshiba Corp

Recorders, Analog

- 1 **Types C or B**
- 3 **U-Matic**
- 5 **Non-digital Betacam, S-VHS**
- 8 **Hi-8, 8mm**
- D **Stillstore**
- P **Duplicators**
- S **Solid-state, RAM**
- T **Network, time delay**

Accom Inc
ASACA/ShibaSoku Corp of America
AVS Graphics Ltd
Broadcast Electronic Services
BTI Computer Systems
Dwight Cavendish Co
Channellmatic Inc
Digistore - Dynatech
DNF Industries
DT Electronics Ltd
DVS GmbH/Digitale Videosysteme
Ergo
EVS Broadcast Equipment
For-A Co Ltd
GEE Broadcast Systems Ltd
Alan Gordon Enterprises Inc
I-Den Videotronics Inc
Imagine Products Inc
Instant Replay
Intervideo
JVC Professional Products Co
Leitch Inc
MMS GmbH
The Network Connection Inc
Odetics Broadcast
Panasonic Broadcast & Television
Pinnacle System
Pioneer New Media Technologies Inc
Quantel Inc
Questech
Rank Cintel Ltd

Scitex Digital Video

Scitex Digital Video
(formerly Abekas Video Systems & ImMix)
Sharp Electronics Corp
Sierra Design Labs
Sony Broadcast International
Sony Business & Professional Group 1, 3, 5, 8, D, R, S
Thomson Broadcast Systems
Thomson Broadcast Inc
Toshiba Corp
Viewtronic Ltd

Recorders, Digital

1 **D1, D5**
2 **D2, D3**
3 **HDTV**
Accom Inc
Ampex Corp
Aritel Communications
ASCAudio Video
Audio Interview Design
BTS Broadcast Television Systems
DNF Industries
Doremi Labs Inc
Intelligent Resources Integrated Systems
JVC
Lazerus
Panasonic Broadcast & Television
Perfectone Corp SA
Quantel Inc
Recognition Concepts Inc
Sierra Design Labs
Sony Broadcast International
Sony Business & Professional Group
Stone + Wire
Thomson Broadcast Inc
Toshiba Corp

Recording Heads

Ampex Corp
Northern Magnetics Inc
Sprague Magnetics Inc

Recording Tape

Ampex Corp
Ampex Recording Media Corp
Audio Interview Design
Carpel Video
CoarcVideo
DIC Digital
Fuji Photo Film USA Inc
Alan Gordon Enterprises Inc
Maxell Corp of America
MSE Video Tape Services
Sony Broadcast International
Sony Electronics Inc/Recording Media
Studio Film & Tape Inc
3M Audio and Video Markets Div
3M Professional A/V & Specialty Products
Video-Matic Group

Signal Conversion Eqpt

D **A-D and D-A digital video**
P **Serial/Parallel, parallel/serial**
S **Scan conversion**
AAVS/Advanced Audio Visual Systems
Accom Inc
AJA Video
Alpha Image Ltd - Dynatech
APS Professional Video Products
ASACA/ShibaSoku Corp of America
Audio Interview Design
Avitel Electronics Ltd
Axon Digital Design BV
BAL Broadcast Ltd
BTS Broadcast Television Systems
Communications Specialties Inc
Comtech Antenna Systems Inc
DigiDesign Inc
Digipath Video Inc
Digital Expressions Inc
Digital Vision (DV Sweden AB)

DT Electronics Ltd
DYNAIR Electronics Inc
Dynatech Video Group
Elantec Inc
Evertz Microsystems Ltd
EVS Broadcast Equipment
Extron Electronics
Faroudja Laboratories Inc
For-A Co Ltd
Fougerolle Audio/Video
GEE Broadcast Systems Ltd
Grass Valley Group
ict GmbH
I-Den Videotronics Inc
IDX Video Inc
Image Video/Div of 1077541 Ontario Ltd
Intelligent Resources Integrated Systems
Iptek
James Grunder & Associates Inc
Kramer Electronics
Leitch Inc
Link Electronics Inc
Merlin Engineering Works Inc
MicroVideo Ltd
Mira Vision Inc
Miranda Technologies Inc
Nova Systems Inc
NTL
Options International
Photon (P E Photon)
Pro-Bel
Questech
Raytheon Semiconductor
RE
RGB Spectrum
SAV
Sierra Design Labs
Sigma Electronics Inc



Snell & Wilcox
Sony Business & Professional Group
Sprocket Digital
ST Keltec Corp
Technique Ltd
Television Equipment Assoc
Thomson Broadcast
Tiernan Communications
TV Equipment - Matthey
TV One Multimedia Solutions
VAS Group Inc
VGV Inc (Video Gainesville)
Video Associates Labs Inc
Video Int'l Development
Visionetics Int'l
Vistek Electronics Ltd
Vortex Communications
Wiltronix Inc
Yamashita Engineering Mfg Inc

Signal Correction Eqpt

- C **Color correction, component level adj, color enhancement**
- E **Enhancement, luminance & detail**
- L **Line doubler, quadrupler**
- N **Noise reduction**

Accom Inc
Alien Avionics Inc
APS Professional Video Products
Audio Interview Design
Avitel Electronics Ltd
BBE Sound Inc
BTS Broadcast Television Systems
Da Vinci Systems - Dynatech
Deerfield Laboratory
Digital Processing Systems Inc/DPS
Digital Vision (DV Sweden AB)
DT Electronics Ltd
Dynatech Video Group
EMC - Dynatech
Faroudja Laboratories
For-A Co Ltd
GEE Broadcast Systems Ltd
Hewlett-Packard Co
Image Video/Div of 1077541 Ontario Ltd
Inline Inc
Intellivideo Inc
J-Lab
Kramer Electronics

Leitch Inc
Merlin Engineering Works Inc
MicroVideo Ltd
Miranda Technologies Inc
North Hills Signal Processing
Nova Systems Inc
Options International
Pandora International Ltd
Philips Broadband Networks
Quantel Inc



Snell & Wilcox
Sony Broadcast International
Sony Business & Professional Group
Tektronix Inc
Thomson Broadcast Systems
Thomson Broadcast Inc
Video Engineering Ltd
Video Int'l Development Inc
Videonics
Vistek Electronics Ltd
Wiltronix Inc
Y/C Plus Inc
Zaxcom

Standards Converters

AAVS/Advanced Audio Visual Systems
AVS Broadcast
BAL Broadcast Ltd
BTS Broadcast Television Systems
Comtech Antenna Systems Inc
Elantec Inc
Feral Industries
FM Systems Inc
For-A Co Ltd
Fougerolle Audio/Video
FSR Inc
ict GmbH
I-Den Videotronics Inc
Intelligent Resources Integrated Systems
James Grunder & Associates Inc
Kramer Electronics
Leitch Inc
LNR Communications Inc
Prime Image Inc
Raytheon Semiconductor
RGB Spectrum
SAV



Snell & Wilcox
Sony Broadcast International
Sony Business & Professional Group
Technique Ltd
Thomson Broadcast Systems
Toshiba Corp
Transvideo SA



Video Int'l Development Inc
Vistek Electronics Ltd
Vizcom/Satellite Systems
Vortex Communications
Wiltronix Inc

Switchers/Mixing Desks, Video

- M **Master control**
- P **Production, studio, edit suite**

Alpha Image Ltd - Dynatech
Alta Group Inc - Dynatech
Ampex Corp
AVS Broadcast
BTS Broadcast Television Systems
Comtech Antenna Systems Inc
Dynatech Video Group
ECHOlab Inc
For-A Co Ltd
GEE Broadcast Systems Ltd

GHIEMMETTI

Ghielmetti Kommunikations-technik AG

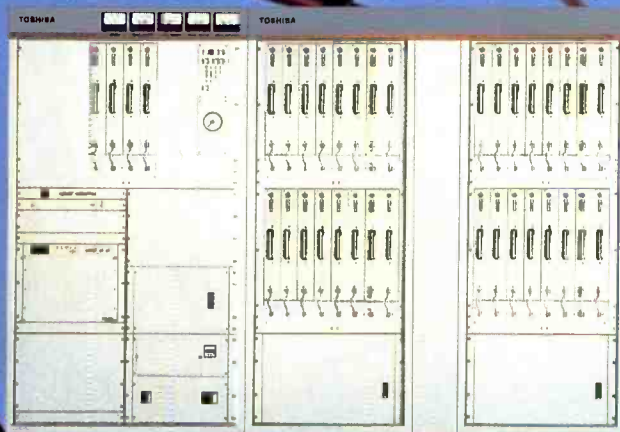
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TOSHIBA 2000 series Solid State UHF/VHF Transmitters

Boasting superb MTBF ratings, the TOSHIBA 2000 series Solid State UHF/VHF Transmitters offer a broad range of power output from 1kW to 40kW that are built to satisfy the demanding requirements of any television station setup.

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Product Directory

Grass Valley Group M, P
Image Video/Div of 1077541 Ontario Ltd M
J-Lab P
JVC P
Kramer Electronics P
MATCO Inc M
McCurdy Radio Industries Ltd M
Multidyne Inc P
Ogenic Technologies M
Panasonic Broadcast & Television M, P
PESA Switching Systems Inc M
Pixel Instruments Corp P
Practel International Pty Ltd M, P
Pro-Bel M
Quantel Inc P
Ross Video Ltd P
SAV M

Interlace Engineering Corp U
IRIS Technologies Inc T, U
IRT Electronics Pty Ltd U
Kaitronics Corp T, U
Knox Video T
Kramer Electronics T
Leightronix Inc T
Leitch Inc T, U
Lighthouse Digital Systems T
Link Electronics Inc U
Meret Optical Communications Inc U
MicroVideo Ltd U
Miranda Technologies Inc U
Monroe Electronics Inc U

MULTIDYNE
INNOVATIONS IN TELEVISION PRODUCTION

Intelvideo Inc
Leader Instruments Corp
Leitch Inc
Link Electronics Inc
Magni Systems
MicroVideo Ltd

Transvideo SA
Videotek Inc
Vistek Electronics Ltd
Vortex Communications
Wiltronix Inc
Zaxcom

Telecine Systems

Albrecht Studiogeräte GmbH (MWA)
AVID Technology Inc
BTS Broadcast Television Systems
Buhl Optical Co
Da Vinci Systems - Dynatech
DGS/Digi-Grade Systems Ltd
Elmo Mfg Corp
Evertz Microsystems Ltd
Imagica Corp
L-W Athena Inc
Pandora International Ltd
Perfectone Corp SA
Rangertone Research
Rank Cintel Ltd
Snell & Wilcox
SONDOR Willy Hungerbühler AG
Steenbeck Inc
Tamron Industries Inc
TokoAmerica Inc
Video Engineering Ltd

Teleconferencing Systems

AETA
APS Professional Video Products
Creston
Dan Dugan Sound Design
Fiber Options Inc
Folsom Research
FSR Inc

Gentner

Gentner Communications Corp
Grass Valley Group
Integrated Network Corp
Kaitronics Corp
Lectrosystems Inc
LNR Communications Inc
Panasonic Broadcast & Television
Philip Drake Electronics
Scantex Labs Inc
Sony Business & Professional Group
Taber Mfg & Engineering Co
Telect Inc
TokoAmerica Inc
VistaCom

Time Code Eqpt

AAVS/Advanced Audio Visual Systems
Adrienne Electronics Corp
Alesis Corp
APS Professional Video Products
Arriflex Corp
Audio Kinetics UK Ltd
Avitel Electronics Ltd
AVS Graphics Ltd
Ayon Digital Design BV
Burst Electronics Inc
Canford Audio
Cinema Products Corp
W. Clark & Associates
D-Vision Systems Inc
Denecke Inc
Diaquest Inc
Digital Expressions Inc
DTL Broadcast Ltd

ESE

ESE
Evertz Microsystems Ltd
FAST Electronic US Inc
FAST Multimedia
Fast Forward Video
For-A Co Ltd
FutureVideo
Gray Engineering Labs Inc
Hamlet Video International Ltd
HORITA
Image Logic Corp
Imagine Products Inc
Leitch Inc
Optex
Options International

Scitex

Digital Video

Scitex Digital Video
(formerly Abekas Video Systems & ImMix) P
Siemens AG Österreich/Audio & Video Div M
Snell & Wilcox M, P
Sony Business & Professional Group M, P
ST Olektron Systems M, P
Tel-Test Inc M, P
Thomson Broadcast M, P
Utah Scientific - Dynatech M, P
VGV Inc (Video Gainesville) P
Videonics P
Videotek Inc M, P
Vistek Electronics Ltd M, P
Wiltronix Inc M

Switchers, Routing

T Large matrix
U Utility, under-monitor, small matrix

AAVS/Advanced Audio Visual Systems T, U
ADM Systems U
Adrienne Electronics Corp U
Alpha Image Ltd - Dynatech T
APS Professional Video Products T, U
ASACA/ShibaSoku Corp of America T

AutoPatch™

AutoPatch/XN Technologies U
Avitel Electronics Ltd T
Axon Digital Design BV T
BAL Broadcast Ltd T
Biamp Systems U
Broadcast Video Systems Ltd U
Browning Labs Inc T, U
BTS Broadcast Television Systems T, U
Burst Electronics Inc T
Canare Cable Inc T
Channellmatic Inc T
Comtech Antenna Systems Inc T, U
Datatek Corp T, U
Digipath Video Inc T, U
Di-Tech Inc T, U
DNF Industries U
DT Electronics Ltd U
DTL Broadcast Ltd U
DYNAIR Electronics Inc T, U
Dynatech Video Group T, U
Extron Electronics T
For-A Co Ltd T, U
Force Inc U
Fougerolle Audio/Video T, U
FSR Inc T
GEE Broadcast Systems Ltd U

GHIEMMETTI

Ghielmetti Kommunikations-technik AG T, U
Grass Valley Group T, U
HEDCO T, U
ict of North America T, U
Image Video/Div of 1077541 Ontario Ltd T, U

Multidyne Inc U
MultiVideo Image Display Co T
Network Technologies Inc T, U
Nova Systems Inc U
NVision Inc T
Omicron Video T, U
Panasonic Broadcast & Television T, U

PESA
Switching Systems

PESA Switching Systems Inc T, U
Philip Drake Electronics T, U
Pixel Instruments Corp T
Practel International Pty Ltd T, U
PRECO (Broadcast Systems) T, U
Pro-Bel T, U
ProTech Audio Corp T, U
Questech U

RAM

Ram Broadcast Systems T, U
Sandar Electronics AS T, U
SAV T, U
Scantex Labs Inc U
Shintron Co Inc T, U
Siemens AG Österreich/Audio & Video Div T
Sierra Video Systems Inc T
Sigma Electronics Inc U
Snell & Wilcox U
Sony Broadcast International T
Sony Business & Professional Group T, U
ST Olektron Systems T, U
System Video T
Target Technology Inc T, U
Tech Electronics Inc U
Telect Inc T, U
Tel-Test Inc T, U
Texscan MSI U
Thomson Broadcast Inc U
360 Systems U
TMT electronics AG U
Trilithic Inc T
Utah Scientific - Dynatech T, U
Vicon Industries Inc T
Videoquip Research Ltd T, U
Videotek Inc T, U
Viewsonics Inc T
Vistek Electronics Ltd T, U
Vortex Communications T, U
Wiltronix Inc T, U
Yamashita Engineering Mfg Inc T, U

Sync/Pattern Generators

AAVS/Advanced Audio Visual Systems
ASACA/ShibaSoku Corp of America
AVCOM of Virginia Inc
BAL Broadcast Ltd
BVE
Digital Processing Systems Inc/DPS
DT Electronics Ltd
DTL Broadcast Ltd
Elantec Inc
ESE
FM Systems Inc
For-A Co Ltd
Grass Valley Group
Hamlet Video International Ltd
HEDCO
HORITA

MULTIDYNE
INNOVATIONS IN TELEVISION PRODUCTION

Multidyne Inc
Network Technologies Inc
NVision Inc
Pacific Coast Marketing
Philips TV Test Equipment
Practel International Pty Ltd
Pro-Bel
PTL Cable Service
QSI Systems Inc
RE
Shintron Co Inc
Sigma Electronics Inc

SNELL & WILCOX

Snell & Wilcox
Sony Business & Professional Group
System Video
Techni-Tool Inc
Tektronix Inc

trilogy

Trilogy Broadcast Ltd
VAS Group Inc
Video Accessory Corp
Videotek Inc
Vortex Communications
Wavetek Corp/Instrument Div
Wiltronix Inc
Yamashita Engineering Mfg Inc
Yamashita Engineering Mfg Inc

TBCs, Synchronizers

AAVS/Advanced Audio Visual Systems
Allen Avionics Inc
Alpha Image Ltd - Dynatech
Alta Group Inc - Dynatech
Audio Kinetics UK Ltd
Beck Associates Inc
Broadcast Electronic Services
BTS Broadcast Television Systems
Comtech Antenna Systems Inc
Digital Graphix
Digital Processing Systems Inc/DPS
DT Electronics Ltd
DTL Broadcast Ltd
Elantec Inc
Feral Industries
For-A Co Ltd
Fougerolle Audio/Video
Ghielmetti Kommunikationstechnik
Grass Valley Group
Hamlet Video International Ltd

H HOTRONIC, INC.

Hotronic Inc
I-Den Videotronics Inc
IDX Video Inc
James Grunder & Associates Inc
Leitch Inc
Microtime Inc
Nova Systems Inc
Pixel Instruments Corp
Prime Image Inc
Questech
Raytheon Semiconductor

SNELL & WILCOX

Snell & Wilcox
Sony Broadcast International
Sony Business & Professional Group
Techni-Tool Inc
Tektronix Inc
Toshiba Corp

Product Directory

Outland Technology Inc
Pro-Bel Ltd
 Ringwood Associates Ltd
 Shintron Co Inc
 Skotel Corp
 Sony Business & Professional Group
Sumitomo Electric USA Inc
 Telecom Research
 Television Systems Ltd
 TimeLine Vista Inc
 Transvideo SA
 Vid-Video Inc
 VideoLab Para Technologies
 Vortex Communications
 Wiltronix Inc

Video Server

Accom Inc
 ADT (Applied Digital Technology)
 APS Professional Video Products
 ASC Audio Video
AVID Technology Inc
BTS Broadcast Television Systems
 Channelmatic Inc
 D-Vision Systems Inc
 Digistore - Dynatech
 Drastic Technologies
 DT Electronics Ltd
 GEE Broadcast Systems Ltd



Hewlett-Packard Co
 Micropolis Corp
Odetics Broadcast
 Pioneer New Media Technologies
Quantel Inc
 Scitex Digital Video
 (formerly ImMix)
 Sierra Design Labs
 Sony Business & Professional Group
 Stone + Wire

Weather Displays, Radar

Accu-Weather Inc
 Automated Weather Source
 Digital Graphix
 Imatex Communications Inc
 Kavouras Inc
 Norpak Corp
 Spaceward Graphics Ltd
 Texscan MSI
 Video Data Systems
 Weather Central Inc
 WeatherNewsAmerica
 WSI Corp
 Yamashita Engineering Mfg Inc

RF Products

AM Antenna Equipment

- A AM direction arrays**
- R Remote indicators**
- S Sampling equipment**
- U Tuning units**

Advent Communications Ltd
 Lawrence Behr Associates Inc
 Broadcast Equipment & Parts
 CCA Electronics
 ChronTrol Corp
 Continental Electronics Corp
 CRS-Lanmead Ltd
 Dav Tronics
 Delta Electronics Inc
 Alan Dick & Co Ltd
 Doty-Moore Tower Services

ERI - Electronics Research
 Frontier Communications
 FSR Inc
 GEC-Marconi Communications
 Gorman-Redlich Mfg Co
 Hallikainen & Friends Inc
 Harris Corp/Broadcast Div
Jampro Antennas Inc
 Kintronic Labs Inc
 LBA International
 LBA Technology Inc
 LeBlanc & Royle Telcom Inc
 LPB Inc
 Marconi Communications Inc
 Lawrence L Morton Associates
 Old Dominion Broadcast Eng Service
 Phasetek Inc
 Potomac Instruments Inc
 RIZ-Transmitters Co
 Satellite Export & Engineering
 SAV
 Stainless Inc
 Stainless Inc
 Telefunken Sendertechnik
 Teracom Components AD



Thomcast
 Tylon Towers

Antennas, Other

- E Earth station**
- F FM**
- M Microwave, ENG, ITRS, MMDS, STL, ICR**
- P Positioning systems for microwave, satellite, antenna controllers**
- T TV UHF, VHF**

ABE Elettronica SPA
 Advent Communications Ltd



Andrew Corp
Antenna Concepts Inc
 Arden Technologies Inc
 Astre Systems Inc
 Astroguide
 Lawrence Behr Associates Inc
 Blonder-Tongue Labs Inc
 Broadcast Cartridge Service
 Broadcast Equipment & Parts
Broadcast Microwave Services
 Browning Labs Inc
Cablewave Systems
 Channel Master
 Comark Communications Inc
COMSAT-RSI/Mark Antennas
 ComStream Corp/A Spar Co
 Comtech Antenna Systems
 COMWAVE
 Conifer Corp
 Continental Electronics Corp
 Continental Microwave Ltd
 CRS-Lanmead Ltd
 CTE International
 Davicom Technologies Inc
DB Elettronica Telecomunicazioni SpA
 DH Satellite
 Alan Dick & Co Ltd
 Dielectric Communications
 Doty-Moore Tower Services
 E-N-G Mobile Systems Inc
 EMCCE Broadcast Products
 ERI - Electronics Research
 FloriCal Systems Inc
 Gabriel Electronics Inc
 GC Thorsen Inc
 GEC-Marconi Communications



RF COMPONENTS

- Transmission Line
- Rigid/Helical
- Waveguide
- Filters/Combiners
- UHF/VHF



TV ANTENNAS

- UHF • LPTV
- VHF • Dual mode



FM ANTENNAS

- Sigemounts
- Panels
- Combined Systems



PANEL ANTENNAS

- FM • UHF • VHF

When You Want More Than Just An Antenna



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Web address: JAMPRO@BROADCAST.NET

E-Mail: JAMPRO@ns.net

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Product Directory

General Microwave Services Inc M
Harris Corp/Broadcast Div F, T
Hero Productions E
HPG Industries
(Sharb Electronics) E, F, M, P, T
IRTE Spa F, M, P, T
ITS Corp M, T
Jampro Antennas Inc F, M, T
JNS Electronics Inc M
Kathrein-Werke KG F, M, T
Kintronic Labs Inc M
Lance Industries F, M, T
LBA International M
LBA Technology Inc M
LDL Communications Inc T
LeBlanc & Royle Telcom Inc F, M, T
Lindsay Specialty Products F, M, T
Link Communications SA F
LNR Communications Inc M
Loma Scientific International E, P, T
Magnavox E
Marcom E, F, M, P, T
Marconi Communications Inc E, F, T
Marti Electronics M
Micro Communications Inc F, T

CALIFORNIA MICROWAVE

MICROWAVE RADIO BROADBAND

Microwave Radio Corp M, P
News/Sports Microwave Rental Inc M, P
NSI M, P
Nucomm Inc P
Nurad Technologies Inc E, M, P
OMB Sistemas Electrónicos AB F, M, T
Orbitron International E, P
Precision Specialties Inc P
Prodelin Corp E
PTL Cable Service E
Quickset International Inc P
RF Technology Inc E, M, P
Rohde & Schwarz GmbH F, T
Satellite Export & Engineering E, F, M, P, T
Scala Electronic Corp F, M, T
Scientific-Atlanta E, P
Shively Labs F, M
SIRA Sistemi Radio F, T
SWR Inc F, T
Technosystem SPA M, T
Telefunken Sendertechnik F, T
Thomcast F, T



Tower Network Services F, T
Tron-Tek Inc M, P
Trylon Towers M, T
Vertex Communications Corp E, P
Viewsonics Inc E, M, T

CATV System Components

AVCOM of Virginia Inc
Barco Inc
Blonder-Tongue Labs Inc
Comband/Microwave Filter Co
EEV Ltd
ELIT-Elettronica Italiana SpA
FM Systems Inc
Frequency Products Inc
General Instrument Corp

Hirschmann



Richard Hirschmann GmbH
Kathrein-Werke KG
Lindsay Specialty Products
Marcom
Meret Optical Communications Inc
Microwave Filter Co Inc
Philips Broadband Networks Inc
T R Pitts Co
Rohde & Schwarz GmbH & Co Kg
Satellite Export & Engineering
Scala Electronic Corp
Standard Communications Corp

Telecast Fiber Systems, Inc.

Telecast Fiber Systems
Thomson Broadband Systems
Thomson Broadcast Systems
Trilithic Inc
Trylon Towers
United Technologies Photonics Inc
Viewsonics Inc
Wavetek Corp/Instrument Div
Wegener Communications Inc

De-Icer Systems

Continental Electronics Corp
CRS-Lanmead Ltd
Dielectric Communications
Environmental Technology Inc
ERI - Electronics Research
Ice Crackers Inc
IRTE Spa
Jampro Antennas Inc
Loma Scientific International
Marcom
Satellite Export & Engineering
Southern Illinois Antennas
SWR Inc
Technosystem SPA
Thomcast
Vertex Communications Corp
Vizcom/Satellite Systems

ENG Components, Electronics

ABE Elettronica SPA
BAF Communications Corp
Bi-Directional Microwave
Broadcast Microwave Services Inc
Canare Cable Inc
Continental Microwave Ltd
E-N-G Mobile Systems Inc
Elantec Inc
Frontline Communications
Harris Corp/Broadcast Div
JFW Industries
JNS Electronics Inc
LBA International
LBA Technology Inc
Ledtronics Inc

CALIFORNIA MICROWAVE

MICROWAVE RADIO BROADBAND

Microwave Radio Corp
Modulation Sciences
News/Sports Microwave Rental Inc
NSI
Nucomm Inc
Precision Specialties Inc
PRECO (Broadcast Systems) Ltd
QEI Corp
Tectan Inc
Thomcast
Troll Technology Corp
Tron-Tek Inc

Exciters, Generators

A AM, AM stereo
T TV, TV Stereo, PRO, SAP
F FM, FM stereo

Advent Communications Ltd A, F, T
Aphex Systems F
ASACA/ShibaSoku Corp of America T
Audio Intervisual Design A
Avocet Instruments Inc T



Aztec sa
Bext Inc
Broadcast Electronics Inc
Broadcast Equipment & Parts
Browning Labs Inc
Cadco Inc
CCA Electronics
Cemys
Comark Communications Inc

Continental Electronics Corp
Continental Microwave Ltd
Crown International Inc
CTE International
DB Elettronica Telecomunicazioni SpA
Delta Electronics Inc
Dolp SRL
Dorough Electronics
Elcom Bauer
Elenos SRL
ELIT-Elettronica Italiana SpA
GEC-Marconi Communications
Harris Corp/Broadcast Div
Richard Hirschmann GmbH
Inovonics Inc
ITELCO SpA
ITS Corp
JT Communications
Larcant-TTC Inc
LDL Communications Inc
Link Communications SA



LNR Communications Inc
Loma Scientific International
Marcom
Marconi Communications Inc
Marti Electronics
Meret Optical Communications Inc
Modulation Sciences
Multidyne Inc
Nautel Maine Inc
OMB Sistemas Electrónicos AB
Orban
Philips TV Test Equipment
PRECO (Broadcast Systems)
QEI Corp
RF Plante
RIZ-Transmitters Co
Rohde & Schwarz GmbH
SCA Data Systems Inc
Scientific-Atlanta
Sharb Electronics
Siel Sistemi Elettronici SRL
Solidyne
Technosystem SPA
Tectan Inc
Teko Telecom SRL
Telefunken Sendertechnik
TEM SPA
Tepco Corp
TFT Inc
Thomcast
VG Electronics Ltd

Klystrons, TWTs

Advent Communications Ltd
Andrew Corp
Astre Systems Inc
BAF Communications Corp
California Tube Lab Inc
Comark Communications Inc
Communications & Power Industries
CPI/Eimac Division
Daily Electronics Corp
Econco Inc
EEV
JoLida Inc
Loma Scientific International
Marcom
MCL Inc
Penta Labs
Sharb Electronics
ST Keltec Corp
Svetlana Electron Devices
Thomson Components & Tubes Corp
Thomson Tubes Electroniques
Thor Electronics Corp
Varian Associates

Light-based Signal Transmission Systems

Advent Communications Ltd
Ortel Corp

MMDS, ITFS, MDS Components, Electronics

Advent Communications Ltd
Arden Technologies Inc

Lawrence Behr Associates Inc
Browning Labs Inc
Cablewave Systems
Comband/Microwave Filter Co
Conifer Corp
Continental Microwave Ltd
Dolp SRL
Elenos SRL
EMCEE Broadcast Products
ERI - Electronics Research
Frequency Products Inc
ITS Corp
Loma Scientific International
Meret Optical Communications Inc
Micro Communications Inc
Microwave Filter Co Inc
Microwave Radio Corp
Satellite Export & Engineering
Scala Electronic Corp
Technosystem SPA
Viewsonics Inc

Modulators, TV

Advent Communications Ltd
ASACA/ShibaSoku Corp of America
Astre Systems Inc
Barco Inc
Bext Inc
Browning Labs Inc
Cadco Inc
Comark Communications Inc
Continental Microwave Ltd
CTE International
DB Elettronica Telecomunicazioni
Dolp SRL
Elenos SRL
ELIT-Elettronica Italiana SpA
EMCEE Broadcast Products
Force Inc
GP Enterprises Inc
Harris Corp/Broadcast Div
Richard Hirschmann GmbH
ISS Engineering Inc
ITELCO SpA
ITS Corp
Kathrein-Werke KG
Larcant-TTC Inc
LDL Communications Inc
Loma Scientific International
Lys Electronic DTDA
Marcom
Marconi Communications Inc
Marshall Electronics Inc
Meret Optical Communications Inc
OMB Sistemas Electrónicos AB
Philips TV Test Equipment
T R Pitts Co
Rohde & Schwarz GmbH & Co Kg
Satellite Export & Engineering
Scientific-Atlanta
Standard Communications Corp
Technosystem SPA
Tectan Inc
Teko Telecom SRL
Telefunken Sendertechnik GmbH
TEM SPA
Thomcast
Tiernan Communications

Power Amplifiers, Cavities

Acrodyne Industries Inc
Advent Communications Ltd
AML Inc
Audio Intervisual Design
Broadcast Equipment & Parts
CED
Comark Communications Inc
Communications & Power Industries
COMWAVE
Continental Electronics Corp
Continental Microwave Ltd
CPI/Eimac Division
CTE International
Davicom Technologies Inc
DB Elettronica Telecomunicazioni
Dolp SRL
Elenos SRL
ELIT-Elettronica Italiana SpA
ETM Electromatic Inc
General Microwave Services Inc
Richard Hirschmann GmbH
IRTE Spa
Loma Scientific International
Marcom

Product Directory

Marconi Communications Inc
MCL Inc
MFJ Enterprises Inc
Mu-Del Electronics Inc
OMB Sistemas Electrónicas AB
PRECO (Broadcast Systems) Ltd
QEI Corp
RCA Broadcast/GE Support Services
Satellite Export & Engineering
SIRA Sistemi Radio
ST Keltec Corp
Technosystem SPA
Telefunken Sendertechnik GmbH
TEM SPA
Tepco Corp
Thomcast
Thomson Components & Tubes
Toshiba Corp
Varian Associates

Power Combiners & Duplexers

Advent Communications Ltd
AML Inc
Arden Technologies Inc
Broadcast Equipment & Parts
Comark Communications Inc
COMWAVE
Continental Electronics Corp
Continental Microwave Ltd
CTE International
Davicom Technologies Inc
DB Elettronica Telecomunicazioni
Alan Dick & Co Ltd
Dielectric Communications
Dolp SRL
Elenos SRL
ELIT-Elettronica Italiana SpA
ERI - Electronics Research
ETM Electromatic Inc
Harris Corp/Broadcast Div
Richard Hirschmann GmbH
IRTE Spa
JamproAntennas Inc
JFW Industries
Kintronic Labs Inc
Loma Scientific International
Loral Microwave-Narda
Marcom
Marconi Communications Inc
Meret Optical Communications Inc
Micro Communications Inc
Microwave Filter Co Inc
Mu-Del Electronics Inc
North Hills Electronics Inc
North Hills Signal Processing
OMB Sistemas Electrónicas AB
Phasetek Inc
QEI Corp
RCA Broadcast/GE Support Services
Satellite Export & Engineering
Scala Electronic Corp
Shively Labs
SIRA Sistemi Radio
Southern Illinois Antennas
Technosystem SPA
Teracom Components AD
Thomcast
Tower Network Services
TTE Inc
UTE Microwave Inc
Viewsonics Inc
Wide Band Engineering Co Inc

Power Dividers

AML Inc
Arden Technologies Inc
AVCOM of Virginia Inc
Broadcast Equipment & Parts
Comark Communications Inc
Continental Electronics Corp
Continental Microwave Ltd
CTE International
Davicom Technologies Inc
DB Elettronica Telecomunicazioni
Alan Dick & Co Ltd
Dielectric Communications
Dolp SRL
Elenos SRL
ELIT-Elettronica Italiana SpA
ERI - Electronics Research
Richard Hirschmann GmbH
IRTE Spa
JamproAntennas Inc

JFW Industries
Kintronic Labs Inc
Loma Scientific International
Loral Microwave-Narda
Marcom
Marconi Communications Inc
Meret Optical Communications Inc
Micro Communications Inc
Mu-Del Electronics Inc
MYAT Inc
North Hills Electronics Inc
North Hills Signal Processing
OMB Sistemas Electrónicas AB
Satellite Export & Engineering
Scala Electronic Corp
Shively Labs
SIRA Sistemi Radio
Southern Illinois Antennas
SWR Inc
Technosystem SPA
Teracom Components AD
TFT Inc
Thomcast
Tower Network Services
Universal Electronics Inc
Wide Band Engineering Co Inc

Pressurization Eqpt

Andrew Corp
Arden Technologies Inc
Broadcast Equipment & Parts
Cablewave Systems
Continental Electronics Corp
Dielectric Communications
Environmental Technology Inc
JamproAntennas Inc
LeBlanc & Royle Telcom Inc
Litton/LSD
Loma Scientific International
Marcom
Marconi Communications Inc
Shively Labs

SIRA Sistemi Radio
Southern Illinois Antennas
SWR Inc
Technosystem SPA
Thomcast
Tower Network Services

RDS Encoders, Monitoring Eqpt

Advent Communications Ltd
ASACA/ShibaSoku Corp of America
Access USA Corp

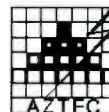


Aztec sa
Belar Electronics Lab Inc
Broadcast Electronics Inc
Broadcast Equipment & Parts
Cemys
CTE International
DB Elettronica Telecomunicazioni
Elenos SRL
Richard Hirschmann GmbH
Inovonics Inc
ITELCO SpA
Milestone Technologies
Modulation Sciences
PRECO (Broadcast Systems) Ltd
QEI Corp
RE America Inc
Rohde & Schwarz GmbH & Co Kg
SCA Data Systems Inc
Siel Sistemi Elettronici SRL
Technosystem SPA
Telefunken Sendertechnik GmbH

TFT Inc
Thomcast

Receivers, AM, FM, SCA and Communications Equipment

Advent Communications Ltd
Avocet Instruments Inc

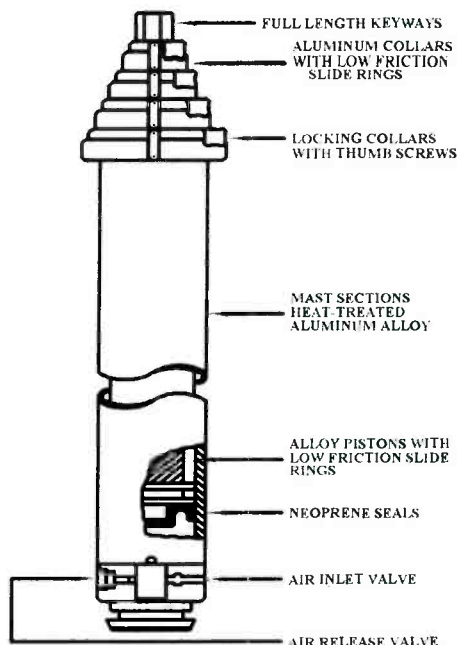


Aztec sa
Belar Electronics Lab Inc
Bext Inc
Broadcast Equipment & Parts
Broadcast Microwave Services Inc
Continental Electronics Corp
Crown International Inc
CTE International
Dav Tronics
DB Elettronica Telecomunicazioni
Delta Electronics Inc
Dolp SRL
Elenos SRL
ELIT-Elettronica Italiana SpA
Force Inc
Richard Hirschmann GmbH
Inovonics Inc
ITELCO SpA
Marconi Communications Inc
Marti Electronics
Meret Optical Communications Inc
Midland International
Milestone Technologies
Modulation Sciences
T R Pitts Co

HILOMAST TELESCOPIC PNEUMATIC MASTS

Applications

- Remote ENG
- Communications
- Field Strength Measurements
- Pop-up Jamming
- Remote Surveillance
- Noise Level Measurements
- Temporary Floodlighting
- Environmental Sensors
- Military Communications



for Further Information Contact Jim Osborne

ALLEN OSBORNE ASSOCIATES, INC.
756 LAKEFIELD RD. Bldg. J
WESTLAKE VILLAGE, CALIFORNIA 91361
Tel:(805)495-8420 Fax:(805)373-6067

Circle (57) on Reply Card

Product Directory

Potomac Instruments Inc
PRECO (Broadcast Systems) Ltd
Reach Electronics Inc
SCA Data Systems Inc
Siel Sistemi Elettronici SRL
Technosystem SPA
Tectan Inc
TFT Inc
Universal Electronics Inc

Receivers, Satellite

Advent Communications Ltd
Andrew Corp
AVCOM of Virginia Inc
BAF Communications Corp
Barco Inc
California Amplifier Inc
ComStream Corp/A Spar Co
Continental Microwave Ltd
CRS-Lanmead Ltd
DB Elettronica Telecomunicazioni
DH Satellite
Dolp SRL
Elenos SRL
ELIT-Elettronica Italiana SpA
Fairchild Data Corp
General Microwave Services Inc
Richard Hirschmann GmbH
International Datacasting Corp
Intraplex Inc
IRTE Spa
ISS Engineering Inc
ITELCO SpA
Kathrein-Werke KG
LNR Communications Inc
Marcom
Milestone Technologies
Mu-Dei Electronics Inc
News/Sports Microwave Rental Inc
Ortel Corp
T R Pitts Co
Satellite Export & Engineering
Scientific-Atlanta
Standard Communications Corp
Tectan Inc
Thomcast
Thomson Broadcast Systems
Tiernan Communications
Universal Electronics Inc
Vizcom/Satellite Systems
Wegener Communications Inc

Remote Pickup Components, Electronics

Bi-Directional Microwave
Broadcast Equipment & Parts
Broadcast Microwave Services Inc
Browning Labs Inc
Continental Electronics Corp
FM Systems Inc
General Microwave Services Inc
Intraplex Inc
JFW Industries
Link Communications SA
Marti Electronics
Microwave Filter Co Inc
Microwave Radio Corp
Moseley Associates Inc
Nucomm Inc
PRECO (Broadcast Systems) Ltd
Pulizzi Engineering Inc
QEI Corp
RF Industries
Spectrum Communications Corp
Telos Systems
TFT Inc
Thomcast
Tron-Tek Inc
Wegener Communications Inc

Satellite T/R Components, Electronics

Advent Communications Ltd
Andrew Corp
Astroguide
AVCOM of Virginia Inc
Bi-Directional Microwave
California Amplifier Inc
Communications & Power Industries
Comsat RSI
ComStream Corp/A Spar Co
Continental Microwave Ltd
CRS-Lanmead Ltd
EEV Ltd

ELIT-Elettronica Italiana SpA
ETM Electronic Inc
Fairchild Data Corp
FM Systems Inc
Frequency Products Inc
Frontline Communications
Insulated Wire Inc
International Datacasting Corp
Intraplex Inc
ISS Engineering Inc



LNR Communications Inc
Magnavox
MCL Inc
Microwave Filter Co Inc
Ortel Corp
Pagesat
T R Pitts Co
PTL Cable Service
Pulizzi Engineering Inc
RF Technology Inc
Satellite Export & Engineering
Scientific-Atlanta
Tectan Inc
Thomson Broadcast Systems
Tiernan Communications
Universal Electronics Inc
Viewsonics Inc
Vizcom/Satellite Systems
Wegener Communications Inc

STL Components & Electronics

ABE Elettronica SPA
Artel Communications
Bext Inc
Bi-Directional Microwave
Broadcast Equipment & Parts
Broadcast Microwave Services Inc
Browning Labs Inc
Cemts
CommSpec
Continental Electronics Corp
Continental Microwave Ltd
Dolby Laboratories Inc
Elenos SRL
ELIT-Elettronica Italiana SpA
EMCEE Broadcast Products
Energy-Onix Broadcast Equipment
FM Systems Inc
Frequency Products Inc
General Microwave Services Inc
Intraplex Inc
JNS Electronics Inc
Kintronic Labs Inc
Link Communications SA
Loma Scientific International
M/A-COM Inc
Marcom
Marti Electronics
Microwave Filter Co Inc
Microwave Networks Inc



Microwave Radio Corp
Moseley Associates Inc
Nucomm Inc
OMB Sistemas Electrónicos AB
PRECO (Broadcast Systems) Ltd
Pulizzi Engineering Inc
QEI Corp
RF Plante
RF Technology Inc
Technosystem SPA
Tectan Inc
TFT Inc
Wegener Communications Inc

Switchers, RF Coaxial

Bird Electronic Corp
Broadcast Equipment & Parts
Comark Communications Inc
Continental Electronics Corp
DB Elettronica Telecomunicazioni
Delta Electronics Inc
Alan Dick & Co Ltd
Dielectric Communications

ELIT-Elettronica Italiana SpA
GEC-Marconi Communications Ltd
IRTE Spa
Jampro Antennas Inc
JFW Industries
Kathrein-Werke KG
Kintronic Labs Inc
LBA Technology Inc
Loma Scientific International
Loral Microwave-Narda
Marcom
Marconi Communications Inc
Meret Optical Communications Inc
MFJ Enterprises Inc
Micro Communications Inc
Monroe Electronics Inc
Pacific Radio Electronics
PRECO (Broadcast Systems) Ltd
Scala Electronic Corp
Shively Labs
SIRA Sistemi Radio
SWR Inc
Technosystem SPA
Telect Inc
Telefunken Sendertechnik GmbH
Tel-Test Inc
Teracom Components AD
Thomcast
Trilithic Inc
Wide Band Engineering Co Inc

Towers, Antenna Support

Allied Tower Co Inc
Aluma Tower Co Inc
Andrew Corp
Broadcast Communications
Broadcast Equipment & Parts
Central Tower Inc
Continental Electronics Corp
Davicom Technologies Inc
Alan Dick & Co Ltd
ERI - Electronics Research
Express Tower Co
FWT
GEC-Marconi Communications Ltd
IRTE Spa
Jampro Antennas Inc
Kline Towers
LBA International
LBA Technology Inc
LDL Communications Inc
LeBlanc & Royle Telcom Inc
Magnum Towers Inc
Malouf Engineering International
Marcom
Marconi Communications Inc
Microflex Co Inc
Fred A Nudd Corp
PiROD Inc
T R Pitts Co
RIZ-Transmitters Co
ROHN
Satellite Export & Engineering
Stainless Inc
Stellar Communications Inc
Swager Communications Inc
SWR Inc
Technosystem SPA
Teko Telecom SRL
Telefunken Sendertechnik GmbH
Tenco Tower Co
Teracom Components AD



Thomcast



Tower Network Services
Transmission Structures Ltd.
Trylon Towers

Utility Tower

Utility Tower Co
Will-Burt

Tower Related Products

- A Accessories, guys, insulators**
- L Lighting systems, sensors, controllers**
- P Portable masts**

Allen Osborne Associates P
Aluma Tower Co Inc L, P
Andrew Corp L
Broadcast Equipment & Parts A, L, P
Peter Dahl Co Inc L
Davicom Technologies Inc A
Alan Dick & Co Ltd A, L, P
Entertainment Technology Cable L
ERI - Electronics Research A, L, P
Flash Technology Corp of America L
FWT A, L
Hughey & Phillips Inc A, L
Jampro Antennas Inc P
Kline Towers A, L
LBA International A, L, P
LBA Technology Inc A, L, P
LeBlanc & Royle Telcom Inc L
Marcom L
Phasetek Inc A
PiROD Inc L
T R Pitts Co L
Precision Multiple Controls A, I
Racal Decca Canada Ltd A, L, P
SSAC Inc L
Swager Communications Inc A, L
Thomcast L, P



Tower Network Services A, L
Trylon Towers A, L, P
TWR Lighting Inc L

Utility Tower

Utility Tower Co A, L, P
Will-Burt P
Xcel Controls Inc L

Transformers, Power, Modulation

Broadcast Equipment & Parts
Peter Dahl Co Inc
Dolp SRL
JFW Industries
North Hills Signal Processing
Perma Power Electronics Inc
RCA Broadcast/GE Support Services
Sescom Inc
Technosystem SPA
Telefunken Sendertechnik GmbH
Thomcast

Translators, Transposers

- F FM**
- T TV**

Acrodyne Industries Inc T
Andrew Corp T
Bext Inc F, T
Broadcast Equipment & Parts F
Browning Labs Inc F, T
Cemts F
Continental Electronics Corp F
Continental Microwave Ltd T
Crown International Inc F
CTE International F, T
DB Elettronica Telecomunicazioni SpA F, T
Dolp SRL F, T
Elenos SRL F, T
ELIT-Elettronica Italiana SpA F, T
EMCEE Broadcast Products T
Energy-Onix Broadcast Equipment Co F
Frequency Products Inc F
GEC-Marconi Communications Ltd F
Harris Corp/Broadcast Div T

Product Directory

Hirschmann



Richard Hirschmann GmbH T
HPG Industries Inc (Sharb Electronics) F, T
IRTE Spa T
ISS Engineering Inc T
ITELCO SpA F, T
ITS Corp T
Jampro Antennas Inc F, T
JT Communications F
Larcen-TTC Inc F, T
LDL Communications Inc F, T
Link Communications SA F
Loma Scientific International F, T
Old Dominion Broadcast Eng Service F
OMB Sistemas Electrónicos AB F, T
PESA Electronica S.A. F
QEI Corp F
Rohde & Schwarz GmbH F, T
Technosystem SPA F, T
Teko Telecom SRL F, T
Telefunken Sendertechnik GmbH F
TEM SPA T
Tepco Corp F, T
TFT Inc F

THOMCAST

Thomcast F, T

Transmission Line, Waveguide

Andrew Corp
Arden Technologies Inc
Broadcast Communications
Broadcast Equipment & Parts
Cablewave Systems
Comark Communications Inc
COMWAVE
Continental Electronics Corp
Alan Dick & Co Ltd
Dielectric Communications
Doty-Moore Tower Services
EMCEE Broadcast Products
Entertainment Technology Cable Inc
ERI - Electronics Research
Hewlett-Packard Co
IRTE Spa
JoLida Inc
LeBlanc & Royle Telcom Inc
Loma Scientific International
Loral Microwave-Narda
Marcom
Marconi Communications Inc
Micro Communications Inc
Microlect Co Inc
MYAT Inc
Nucomm Inc
Phasetek Inc
RIZ-Transmitters Co
Scala Electronic Corp
Shively Labs
Southern Illinois Antennas
Technosystem SPA
Telefunken Sendertechnik GmbH
Teracom Components AD
Thomcast



Tower Network Services

Transmitter Remote Control, Telemetry

Advent Communications Ltd
Broadcast Microwave Services Inc
Burk Technology Inc
Colortran Inc
Conex Electro Systems Inc
Continental Electronics Corp
Davicom Technologies Inc
DB Elettronica Telecomunicazioni
Dynatech Tactical Communications
Elenos SRL
ELIT-Elettronica Italiana SpA
FloriCal Systems Inc
GEC-Marconi Communications Ltd

Gentner

Gentner Communications Corp
Hallikainen & Friends Inc
Harris Corp/Broadcast Div



Intraplex

Intraplex Inc
Marcom
Marconi Communications Inc
Moseley Associates Inc
NTL
Potomac Instruments Inc
Practel International Pty Ltd
Pulizzi Engineering Inc
RF Technology Inc
Schmid Telecom AG
Schmid Telecommunication America Inc
Technosystem SPA
Telefunken Sendertechnik GmbH
Thomcast
Troll Technology Corp
Tron-Tek Inc

Transmitter Systems

A **AM, SW radio**
F **FM radio (except translators)**
T **TV VHF/UHF (except translators)**

ABE Electronica SPA T
Acrodyne Industries Inc T
Advanced Broadcast Systems T
Andrew Corp T
Astre Systems Inc T

Bext Inc T
Bi-Directional Microwave F, T
Broadcast Electronics Inc A, F
Broadcast Equipment & Parts A, F
Browning Labs Inc F, T
CCA Electronics A, F
CED F, T
Cemys F
Comark Communications Inc T
Continental Electronics Corp A, T
Continental Microwave Ltd T
Crown International Inc F
DB Elettronica Telecomunicazioni SpA F, T
Dolp SRL F, T
Dynatech Tactical Communications T
Eicom Bauer A, F
Elenos SRL F, T
ELIT-Elettronica Italiana SpA F, T
EMCEE Broadcast Products T
Energy-Onix Broadcast Equipment Co A, F
Force Inc T
Frequency Products Inc F
GEC-Marconi Communications A, F, T
Harris Corp/Broadcast Div A, F, T
Richard Hirschmann GmbH T
HPG Industries Inc (Sharb Electronics) A, F, T
IRTE Spa T
Italiana Ponti Radio Srl A, F
ITELCO SpA F, T
ITS Corp T
JT Communications F
Larcen-TTC Inc F, T
LDL Communications Inc F, T
Link Communications SA F
Loma Scientific International T
LYS Electronic DTDA T
Marcom F, T
Marconi Communications Inc A, F, T

Marshall Electronics Inc F
Nautel Maine Inc A, F
OMB Sistemas Electrónicos AB F, T
Omnitronix Inc A
PESA Electronica S.A. T
Philips TV Test Equipment T
PRECO (Broadcast Systems) A, F
QEI Corp F
Radio Systems Inc A
RIZ-Transmitters Co A, F
Rohde & Schwarz GmbH F, T
Siel Sistemi Elettronici SRL F
Technosystem SPA F, T
Teko Telecom SRL F, T
Telefunken Sendertechnik A, F, T
TEM SPA F, T
TFT Inc T



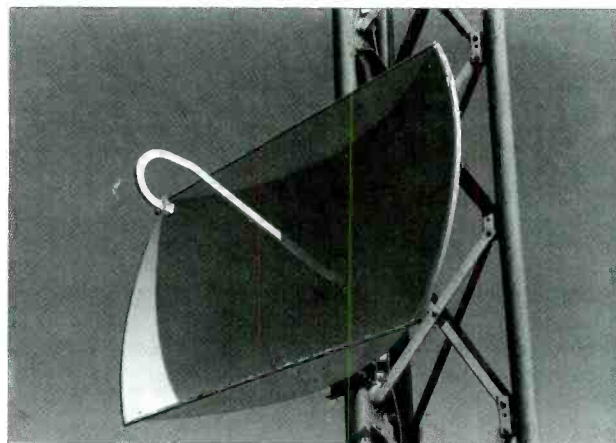
THOMCAST

Thomcast A, F, T
Toshiba Corp T

Tubes, Rectifiers

Audio Intervisual Design
Broadcast Equipment & Parts
CCA Electronics
Continental Electronics Corp
Peter Dahl Co Inc
Daily Electronics Corp
EEV Ltd
Elenos SRL
ELIT-Elettronica Italiana SpA
Motorola Semiconductor Products Sector
Newark Electronics
Penta Labs
Richardson Electronics
Sharb Electronics
Siel Sistemi Elettronici SRL

Category "A" Antenna For The Broadcast Industry



- Meets FCC Part 74 Category "A" specifications
- Windload no greater than a 6-foot solid
- Allows upgrade of systems without increasing tower windloading or compromising link quality
- Pattern performance of an 8-foot solid

COMSAT RSI®
Mark Antennas

1757 S. Winthrop Dr.
Des Plaines, IL 60018
708-298-9420
Fax: 708-635-7946
U.K. 0634-71554

Circle (58) on Reply Card

Product Directory

Svetlana Electron Devices
Thomson Components & Tubes Corp
Thomson Tubes Electroniques
 Thor Electronics Corp
 Vacuum Tube Industries
 Varian Associates

Tubes, RF Power Triodes, Tetrodes

Broadcast Devices Inc
 Broadcast Equipment & Parts
 Burie Industries Inc
 California Tube Lab Inc
 CCA Electronics
 Comark Communications Inc
 Continental Electronics Corp



CPI/Eimac Division
 Daily Electronics Corp
DB Elettronica Telecomunicazioni
 Econco Inc
 EEV
 Elenos SRL
 ELIT-Elettronica Italiana SpA
 IRTE Spa
 Jolida Inc
 Loma Scientific International
 Marcom
 Motorola Semiconductor Products Sector
 Penta Labs
 Richardson Electronics
 Siei Sistemi Elettronici SRL



Svetlana Electron Devices
Thomson Components & Tubes Corp
Thomson Tubes Electroniques
 Vacuum Tube Industries
 Varian Associates

Vacuum Contactors

Advanced Broadcast Systems Inc
 Jolida Inc
 Kintronic Labs Inc
 LBA International
 LBA Technology Inc
 Marcom
 Phasetek Inc
 Surcom Associates Inc
 Svetlana Electron Devices
 Vacuum Tube Industries

Weather Radar RF Products

Advanced Designs Corp
 Andrew Corp
 Communications & Power Industries
 Canada
 EEV Ltd
 Frequency Products Inc
 Kavouras Inc
 Precision Specialties Inc
 Technosystem SPA



Business Automation

A-Ware Software Inc
 CBSI-Custom Business Systems Inc
 Columbine Systems Inc

Computer Engineering Associates
 Datacount Inc
 Electric Works Corp
 Enterprise Systems Inc
 Imagine Products Inc
 Jefferson-Pilot Data Services
 The Management
 MBS Technologies Inc
 Mediatron GmbH
 MEMEX Software Inc
 NDG Phoenix Inc
 Nesbit Systems Inc
 Netia Digital Audio
 Panasonic Pro Audio/Ramsa
 Planon Telexpertise Inc
 Professional Management Services
 Radio Computing Services/RCS
 Register Data Systems
 Sony Business & Professional Group
 Summit Software Systems Inc
 Tapsan Inc
 Unique Business Systems
 Video Communications

Commercial Insertion Systems

ADT (Applied Digital Technology)
 Adtec Productions Inc
 Alamar Electronics USA Inc
 American Broadcast Systems Inc
 APS Professional Video Products
ASACA/ShibaSoku Corp of America
 ASC Audio Video
AVID Technology Inc
 BCD Associates Inc
BTS Broadcast Television Systems
 Channelmatic Inc
 Comtech Antenna Systems Inc
 Fast Forward Video
 FloriCal Systems Inc
 FSR Inc



Hewlett-Packard Co
 ict of North America
 IGM Communications
 Image Logic Corp
Leightronix Inc
LouthAutomation
 MATCO Inc
 Netia Digital Audio
 The Network Connection Inc
Odetics Broadcast
 Panasonic Broadcast & Television
 T R Pitts Co
 Planon Telexpertise Inc
Pro-Bel Inc
 Register Data Systems
 Softel Systems
 Solutech Ltd
 Sony Business & Professional Group
 Sundance Digital Inc
 Tech Electronics Inc
 Texscan MSI
 Time Logic Inc
 Video Data Systems
 Videoquip Research Ltd

Computers & Peripherals

Adrienne Electronics Corp
 Alamar Electronics USA Inc
 ATI Technologies
 Audiomation Systems
 Aydin Controls
 The Baranti Group Inc
 B&B Electronics Mfg Co
 BGW Systems Inc
 CH Products
 Columbine Systems Inc
 Computer Concepts Corp
 Computer Engineering Associates
 J E Cuesta Co Inc
 Diaquest Inc
 Electric Works Corp
 Extron Electronics
 HES Electronics
Hewlett-Packard Co
 ict GmbH
 ict of North America
 Industrial Computer Source
 Intergraph Computer Systems

Interlace Engineering Corp
 ISC Datacom
 JLC Cooper Electronics
 Kensington Microwave Ltd
 Knox Video
 Lazerus
 The Management
 Media Touch Systems Inc
 Mediatron GmbH
 Meirick Inc
 Micro Express
 NDG Phoenix Inc
 The Network Connection Inc
 Network Technologies Inc
 Newark Electronics
 NuMedia Corp
Pro-Bel Ltd
 Professional Management Services
 Prophet Systems Inc
 QSC Audio Products Inc
 Register Data Systems
 RGB Computer & Video
 Richmond Sound Design Ltd
 Rorke Data Inc
 Scott Studios Corp



Sealevel Systems Inc
 Silicon Graphics Inc
 Tech Electronics Inc
 TECH-SA-PORT
 Truevision/Raster Ops
 Video Communications
 Xcel Controls Inc

Engineering Software

C Cad, Drawing
D Diagnostics, maintenance
F Facilities management

AAVS/Advanced Audio Visual Systems
 Computer Assisted Technologies
 DATA Business Publishing
 DesignCAD Inc
 EDX Engineering Inc
 HES Electronics
Hewlett-Packard Co
 Intergraph Computer Systems
 JNS Electronics Inc
 Lazerus
 NDG Phoenix Inc
 The Network Connection Inc
 QSC Audio Products Inc
 ScheduALL by VizuAll Inc
 Schmid Telecom AG
 Schmid Telecommunication America Inc
 Shuttlesound Ltd
 SoftWright LLC
 Truevision/Raster Ops
 V-Soft Communications
 Video Design Pro
 Viagifax - Design CAD Division
 Xymox Systems

Newsroom Automation

AEQ SA
 ASC Audio Video
 The Associated Press
 Autocue Ltd
AVID Technology Inc
 AVS Graphics Ltd
 A-Ware Software Inc
 Broadcast Electronics Inc
BTS Broadcast Television Systems
 Columbine Systems Inc
 Comprompter Inc
 Computer Concepts Corp
 Computer Engineering Associates
 DCM Inc
 Designing Minds
 Dynatech Video Group
 FloriCal Systems Inc
 HES Electronics
 ict GmbH
 Imagine Products Inc
 Inscribe Character Generator
 Interlace Engineering Corp
 International Tapetronics Corp
 IRIS Technologies Inc
 JLC Cooper Electronics

LouthAutomation
 LPB Inc
 Media Computing Inc
 Mediatron GmbH
 Nagra Lysis sa
 Nesbit Systems Inc
 Netia Digital Audio
 The Network Connection Inc
 News Technology Corporation
 NewsMaker Systems Inc
 Newstar - Dynatech
 Newswire 2000
 NSI
 Nytone Inc
 Ogenic Technologies
 Panasonic Broadcast & Television
 PRECO (Broadcast Systems) Ltd
Quantel Inc
 Radio Computing Services/RCS
 Schmid Telecom AG
 Softech Systems
 Sonifex Ltd
 Spaceward Graphics Ltd
 Sports Network
 The Sports Network
 Tandberg Data Storage AS
 Tel-Test Inc
Thomson Broadcast Inc
 Videoquip Research Ltd
Vistek Electronics Ltd
 WireReady Newswire Systems
 WSI Corp

Playback Automation

AAVS/Advanced Audio Visual Systems
 AD Systeme
 Adtec Productions Inc
 AEQ SA
 AEV SRL
ASACA/ShibaSoku Corp of America
 AVS Graphics Ltd
 Broadcast Automation Inc
 Broadcast Electronics Inc
 Broadcast Programming
 Cartworks
 CBSI-Custom Business Systems Inc
 Computer Concepts Corp
 Comtech Antenna Systems Inc
Conex Electro Systems Inc
 DALET
 Dalet Digital Media Systems
 Digital Research Corp
 Electric Works Corp
 ENCO Systems Inc
 EuroSonAmerica Inc
 Gefen Systems
 GML Inc
 HES Electronics
 IGM Communications
 International Tapetronics Corp
 JLC Cooper Electronics
LouthAutomation
 LPB Inc
 The Management
 McCurdy Radio Industries Ltd
 Media Touch Systems Inc
 Mediatron GmbH
 Mediatron GmbH
 Nagra Lysis sa
 Netia Digital Audio
Odetics Broadcast
 Ogenic Technologies
 Panasonic Broadcast Systems
 Philip Drake Electronics
 Pioneer New Media Technologies Inc
 PRECO (Broadcast Systems) Ltd
Pro-Bel Ltd
 Professional Management Services
 Prophet Systems Inc
Quantel Inc
 Radio Computing Services/RCS
 Radio Systems Inc
 Ram Broadcast Systems
 RCS/Radio Computing Systems
 Register Data Systems
 Richmond Sound Design Ltd
 Schafer World Communications Corp
 Scott Studios Corp
 Sentry Systems
 Smarts Broadcast Systems
 Sonifex Ltd
 Sony Business & Professional Group
 Studer Professional Audio AG
 Tandberg Data Storage AS
 Tech Electronics Inc
 Technica Del'Arte bv

Product Directory

Tektronix Inc
360 Systems
TM Century
Video Data Systems
WireReady Newswire Systems

Record/Playback Automation

AAVS/AdvancedAudio Visual Systems
Adtec Productions Inc
Alamar Electronics USA Inc
American Broadcast Systems Inc
APS Professional Video Products
ASACA/ShibaSoku Corp of America
ASC Audio Video
Audiomation Systems
AVID Technology Inc
AVS Graphics Ltd
BTS Broadcast Television Systems
Channematic Inc
Comprompter Inc
Comtech Antenna Systems Inc
Diaquest Inc
Dynatech Video Group
EVS Broadcast Equipment
FloriCal Systems Inc
Image Logic Corp
Image Video/Div of 1077541 Ontario Ltd
Interface Engineering Corp
JL Cooper Electronics
Leightronix Inc
Louth Automation
The Management
MATCO Inc
McCurdy Radio Industries Ltd
Media Computing Inc
MEMEX Software Inc
Nagra Lysis sa
The Network Connection Inc
Nytone Inc
Odetics Broadcast
Panasonic Broadcast & Television
Philip Drake Electronics
Pioneer New Media Technologies
Planon Telexpertise Inc
Pro-Bel
Radio Systems Inc
Recognition Concepts Inc
Solutec Ltd
Sony Business & Professional Group
Spaceward Graphics Ltd
Sundance Digital Inc
Tandberg Data Storage AS
Tech Electronics Inc
Tektronix Inc
Tel-Test Inc
Texscan MSI
Thomson Broadcast Systems
Time Logic Inc
Utah Scientific - Dynatech
Video Data Systems
VideoFusion Ltd Partnership
Vistek Electronics Ltd
Zaxcom

GP Enterprises Inc
Hewlett-Packard Co
Richard Hirschmann GmbH
Jasoni Electronics
JNS Electronics Inc
Kirchner Elektronik
Leader Instruments Corp
MicroAudio Inc
Neutrik AG
Neutrik Instrumentation Inc
Pacific Coast Marketing
Potomac Instruments Inc
PRECO (Broadcast Systems) Ltd



Prism Media Products Inc
Pro-Bel
PTL Cable Service
Sabine Inc
Sample Rate Systems Oy
Schmid Telecommunication America Inc
Sound Technology Inc
StageTech Developments AB
Stanford Research Systems
Tally Display Corp
TC Electronic
Techni-Tool Inc
Tektronix Inc
Telecommunications Techniques Corp
TFT Inc
Titus Technological Labs
Tremetrics Inc
Wandel & Goltermann
Wide Band Engineering Co Inc
XTA Electronics Ltd

Analyzers, RF, Spectrum/ Sideband

AAVS/Sencore
Anritsu Willtron
AVCOM of Virginia Inc
BAF Communications Corp
Eoonton Electronics Corp
Dwight Cavendish Co
Contact East Inc
Davicom Technologies Inc
Delta Electronics Inc
DK-Audio
ELIT-Elettronica Italiana SpA
Hewlett-Packard Co
Richard Hirschmann GmbH
Kay Elemetrics Corp
Leader Instruments Corp
LNR Communications Inc
MFJ Enterprises Inc
Phillips Broadband Networks Inc
PTL Cable Service
Rohde & Schwarz GmbH & Co Kg
Techni-Tool Inc
Tektronix Inc
Telecommunications Techniques Corp
Wandel & Goltermann
Wide Band Engineering Co Inc

Analyzers, Video System

AAVS/AdvancedAudio Visual Systems
ASACA/ShibaSoku Corp of America
Boland Communications
Dwight Cavendish Co
Colorado Video Inc
Electronic Visuals
GEE Broadcast Systems Ltd
GP Enterprises Inc
Hewlett-Packard Co
Richard Hirschmann GmbH
Leader Instruments Corp

Magni Systems
Pacific Coast Marketing
Planon Telexpertise Inc
Plateau Digital Technology
Pro-Bel Ltd
PTL Cable Service
Synthesys Research Inc
System Video
Techni-Tool Inc
Videotek Inc
Viewtronics Ltd
VIZ Technologies

Antenna Impedance Bridges

Delta Electronics Inc
Eagle
MFJ Enterprises Inc
PTL Cable Service
Rohde & Schwarz GmbH & Co Kg
Wide Band Engineering Co Inc

Audio Generators

AAVS/AdvancedAudio Visual Systems
ASACA/ShibaSoku Corp of America
Audio Precision
Beck Associates Inc
Boonton Electronics Corp
Burk Technology Inc
Conex Electro Systems Inc
Danbridge AS
G Prime Ltd
Gold Line Inc
GP Enterprises Inc
HEDCO
HES Electronics
Hewlett-Packard Co
Image Video/Div of 1077541 Ontario Ltd
JNS Electronics Inc
Leader Instruments Corp

Test & Measurement

Analyzers, Audio System

Acoustech
ASACA/ShibaSoku Corp of America
Audio Precision
AudioControl Industrial
Audioscope srl
Boland Communications
Boonton Electronics Corp
Brüel & Kjær Instruments Inc
Dwight Cavendish Co
Circuit Research Labs Inc
DK-Audio
Dorrough Electronics
EIP Microwave Inc
Full Compass Systems Ltd
G Prime Ltd
Gauss
GEE Broadcast Systems Ltd
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DTR-313 Time Code Reader /Generator

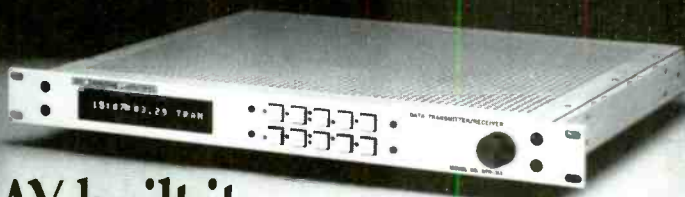
LTC Generator • VITC Generator • Wide Band LTC Reader

VITC Reader • Character inserter • Slave • Slave to time code in user bits

Auto Sync Sense SMPTE/EBU/655-24 • User bit manipulation • Color Frame

Full Front Panel Control • Serial Remote Control • Local Display

Upgradable • All in one rack unit



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NeutrikAG
Neutrik Instrumentation Inc
NVision Inc
Pacific Coast Marketing
Potomac Instruments Inc
Praeltel International Pty Ltd
PRECO (Broadcast Systems) Ltd
Rohde & Schwarz GmbH & Co Kg
Sample Rate Systems Oy
Scantex Labs Inc
Sescom Inc
Sound Technology Inc
Stanford Research Systems
TC Electronic
Tektronix Inc

Demodulators, TV Precision

ASACA/ShibaSoku Corp of America
Barco Inc
Belar Electronics Lab Inc
Davicom Technologies Inc
Hewlett-Packard Co
Richard Hirschmann GmbH
Philips TV Test Equipment
PTL Cable Service
QSI Systems Inc
Rohde & Schwarz GmbH & Co Kg
Tektronix Inc
TFT Inc
Videotek Inc

Bench Power Supplies

Calex Mfg Co Inc
Contact East Inc
Fluke Corp
Hewlett-Packard Co
JFW Industries
Leader Instruments Corp
Multidyne Inc
Newark Electronics
Pulizzi Engineering Inc
Sorensen Co
Stanford Research Systems
Techni-Tool Inc
Xentek Inc

Detectors, Non-ionizing Radiation

Holaday Industries Inc
JFW Industries
Loral Microwave-Narda

Digital Diagnostic Systems

AAVS/Sencore
AETA



Aztec sa
GEE Broadcast Systems Ltd
Jensen Tools Inc
NeutrikAG



Prism Media Products Inc
Sample Rate Systems Oy
StageTech Developments AB
Synthesys Research Inc
Techni-Tool Inc
Tektronix Inc
Telecommunications Techniques Corp
Viewtronics Ltd
Wavetek Corp/Instrument Div

Frequency Counters

AAVS/Sencore
Anritsu Wiltron

Belar Electronics Lab Inc
Contact East Inc
J E Cuesta Co Inc
EIP Microwave Inc
Fluke Corp
Hewlett-Packard Co
Jensen Tools Inc
Leader Instruments Corp
MFJ Enterprises Inc
NeutrikAG
Newark Electronics
Pacific Coast Marketing
PTL Cable Service
Schmid Telecom AG
Simpson Electric
Stanford Research Systems
Techni-Tool Inc
Wavetek Corp/Instrument Div

Meters, AC/Power Phase

F W Bell Inc
Contact East Inc
J E Cuesta Co Inc
DK-Audio
Dranetz Technologies Inc
Fieldpiece Instruments
Fluke Corp
Hewlett-Packard Co
Holaday Industries Inc
Jensen Tools Inc
Leader Instruments Corp
NeutrikAG
Newark Electronics
A W Sperry Instruments Inc
SSAC Inc
Techni-Tool Inc
Tektronix Inc
Viewsonics Inc
Wavetek Corp/Instrument Div

Meters, Audio Level Indicators

AAVS/Advanced Audio Visual Systemes
Acoustech
ADM Systems
ATI-Audio Technologies Inc
Audioscope srl
B&B Systems Inc
Beck Associates Inc

BOLAND COMMUNICATIONS

Boland Communications
Dwight Cavendish Co
Contact East Inc
Continental Electronics Corp
J E Cuesta Co Inc
DK-Audio
Dorrough Electronics
ENCO Systems Inc
Entertainment Technology Cable Inc
ESE
FM Systems Inc
G Prime Ltd
GP Enterprises Inc
HORITA
Image Video/Div of 1077541 Ontario Ltd
Inovonics Inc
JNS Electronics Inc
Leader Instruments Corp
McCurdy Radio Industries Ltd
NeutrikAG
NTP Elektronik A/S
Praeltel International Pty Ltd
Radio Design Labs
Radio Systems Inc
Ram Broadcast Systems
RTW: Radiotechnische Werkstätten GmbH
Scantex Labs Inc
Selco Products Co
Sescom Inc
Simpson Electric
Solutec Ltd
Michael Stevens & Partners Ltd
Techni-Tool Inc
TFT Inc
Titus Technological Labs
Valley Audio/Galaxy Audio
Videoquip Research Ltd
Vortex Communications
Ward-Beck Systems Ltd



Wohler Technologies Inc

Meters, DVMs, DMMs, VOM

F W Bell Inc
J E Cuesta Co Inc
Fieldpiece Instruments
Fluke Corp
Hewlett-Packard Co
Image Video/Div of 1077541 Ontario Ltd
Leader Instruments Corp
MilesTek Inc
NeutrikAG
Newark Electronics
Outland Technology Inc
Pacific Coast Marketing
PRECO (Broadcast Systems) Ltd
Rohde & Schwarz GmbH & Co Kg
Simpson Electric
A W Sperry Instruments Inc
Techni-Tool Inc
Triplett Corp
Wavetek Corp/Instrument Div

Meters, Field Strength, RF Level

AAVS/Sencore
R B Annis Co Inc
Anritsu Wiltron
AVCOM of Virginia Inc
Coaxial Dynamics
Contact East Inc
Continental Electronics Corp
Eagle
EIP Microwave Inc
Holaday Industries Inc
Kathrein-Werke KG
Leader Instruments Corp
Potomac Instruments Inc
PTL Cable Service
Rohde & Schwarz GmbH & Co Kg
A W Sperry Instruments Inc
Techni-Tool Inc
Tektronix Inc
Wavetek Corp/Instrument Div

Meters, Photographic Light

ASACA/ShibaSoku Corp of America
Contact East Inc
FM Systems Inc
Graseby Optonics
Minolta Corp/Instrument Systems Div
Photomart Cine-Video Inc
A W Sperry Instruments Inc
Techni-Tool Inc
Tektronix Inc

Meters, RF Power

Anritsu Wiltron
Bird Electronic Corp
Boonton Electronics Corp
Coaxial Dynamics
Contact East Inc
Continental Electronics Corp
J E Cuesta Co Inc
Dranetz Technologies Inc
EIP Microwave Inc
General Instrument Corp
Hewlett-Packard Co
Leader Instruments Corp
Loral Microwave-Narda
MFJ Enterprises Inc
PTL Cable Service
Rohde & Schwarz GmbH & Co Kg
Techni-Tool Inc
Triplett Corp
Viewsonics Inc

Modulation Monitors



Aztec sa
Belar Electronics Lab Inc

Boland Communications
Boonton Electronics Corp
Broadcast Equipment & Parts
Continental Electronics Corp
DavTronics
Delta Electronics Inc
FM Systems Inc
GP Enterprises Inc
Hewlett-Packard Co
Inovonics Inc
Modulation Sciences
Philips TV Test Equipment
QEI Corp
TFT Inc

Oscilloscopes, Accessories

AAVS/Sencore
Broadcast Equipment & Parts
Contact East Inc
Continental Electronics Corp
Dranetz Technologies Inc
Fluke Corp
Hewlett-Packard Co
Hitachi Denshi America Ltd
Jensen Tools Inc
Leader Instruments Corp
NeutrikAG
Newark Electronics
Pacific Coast Marketing
Photomart Cine-Video Inc
PTL Cable Service
Techni-Tool Inc
Tektronix Inc
Test Probes Inc

Recorder Tension, Alignment Equipment

NeutrikAG
PRECO (Broadcast Systems) Ltd
Tentel Corp

PC-based Displays; Interactive, Source ID, Tally

Image Video/Div of 1077541 Ontario Ltd



Tally Display Corp

RF Generators

Anritsu Wiltron
ASACA/ShibaSoku Corp of America
AVCOM of Virginia Inc
Fluke Corp
GP Enterprises Inc
Hewlett-Packard Co
Kay Elemetrics Corp
Leader Instruments Corp
Pacific Coast Marketing
Potomac Instruments Inc
PTL Cable Service
Rohde & Schwarz GmbH & Co Kg

RF Load Resistors, Dummy Loads

Altronic Research Inc
Bird Electronic Corp
Broadcast Equipment & Parts
Coaxial Dynamics
Continental Electronics Corp
Dielectric Communications
Eagle
Electro Impulse Lab Inc
JFW Industries
LBA International
LBA Technology Inc
Loral Microwave-Narda
Marconi Communications Inc
MFJ Enterprises Inc
Micro Communications Inc
Phasetek Inc
RF Industries
Technosystem SPA
Trilithic Inc
UTE Microwave Inc
Wide Band Engineering Co Inc

Product Directory

SC/H Phase Measurement, Displays

ASACA/ShibaSoku Corp of America
Dranelz Technologies Inc
GEE Broadcast Systems Ltd
GP Enterprises Inc
Hamlet Video
Hewlett-Packard Co
James Grunder & Associates Inc
Leader Instruments Corp
Link Electronics Inc
Philips TV Test Equipment
Plateau Digital Technology
System Video
Techni-Tool Inc
Tektronix Inc
Telecommunications Techniques Corp
Videotek Inc
Wiltronix Inc

Test, Alignment Records, Tapes, CDs

Audio Intervisual Design
G Prime Ltd
Hamlet Video International Ltd
International Tapetronics Corp
KABA Research & Development
PRECO (Broadcast Systems) Ltd
Sprague Magnetics Inc

Test Charts, Slides

Alpine Optics Inc
Nalpac Video Sales Inc
Photomart Cine-Video Inc

Test, Alignment Tapes

Audio Intervisual Design
Hamlet Video International Ltd
International Tapetronics Corp
JRF Magnetic Sciences Inc
Photomart Cine-Video Inc
PRECO (Broadcast Systems) Ltd
Standard Tape Laboratory Inc

Thermal Measuring Devices

Solder Absorbing Technology Inc/SAT
A W Sperry Instruments Inc
Techni-Tool Inc

VITS, VIRS Generators, Inserters

AAVS/Advanced Audio Visual Systems
ASACA/ShibaSoku Corp of America
GP Enterprises Inc
Image Logic Corp
Leader Instruments Corp
Magni Systems
Multidyne Inc
Philips TV Test Equipment
PTL Cable Service
System Video
Techni-Tool Inc
Tektronix Inc
Titus Technological Labs
VG Broadcast
Wiltronix Inc

Time Domain Reflectometers

Anritsu Wiltron
Delta Electronics Inc
GP Enterprises Inc
Hewlett-Packard Co
Joslyn Electronic Systems Corp
PTL Cable Service
Riser-Bond Instruments
Techni-Tool Inc
Tektronix Inc
Telecommunications Techniques Corp
Wavetek Corp/Instrument Div

Video Signal Monitors

C Combo waveform/vector
S In-picture videoscope
V Vectorscope
W Waveform
ASACA/ShibaSoku Corp of America C, V, W

DT Electronics Ltd
FM Systems Inc
GP Enterprises Inc
Hamlet Video
Hamlet Video Int'l Ltd
Hitachi Denshi America Ltd
James Grunder & Associates Inc
Leader Instruments Corp
Magni Systems
Philips TV Test Equipment
Photomart Cine-Video Inc
PRECO (Broadcast Systems) Ltd
PTL Cable Service
Synthesys Research Inc
Techni-Tool Inc
Tektronix Inc
Telecommunications Techniques Corp
Wavetek Corp/Instrument Div
Wiltronix Inc

Video Generators

AAVS/Sencore
ASACA/ShibaSoku Corp of America
Boland Communications
Burst Electronics Inc
BVE
Colorado Video Inc
DT Electronics Ltd
DTL Broadcast Ltd
EEG Enterprises Inc
ESE
Extron Electronics
Fluke Corp
GEE Broadcast Systems Ltd
GP Enterprises Inc
Hamlet Video International Ltd
HEDCO
HORITA
I-Den Videotronics Inc
Knox Video
Leader Instruments Corp
Link Electronics Inc
Magni Systems
MicroVideo Ltd

MULTIDYNE

Multidyne Inc
Network Technologies Inc
Pacific Coast Marketing
Philips TV Test Equipment
Practel International Pty Ltd
PRECCO (Broadcast Systems) Ltd
Pro-Bel
PTL Cable Service
Rohde & Schwarz GmbH & Co Kg
Snell & Wilcox
Stanford Research Systems
System Video
Techni-Tool Inc
Tektronix Inc
Tel-Test Inc

trilogy

Trilogy Broadcast Ltd
Video Accessory Corp
Videotek Inc
Wiltronix Inc

VSWR Indicators, Detectors

Eagle
Hewlett-Packard Co
JFW Industries
Loral Microwave-Narda
MFJ Enterprises Inc
PTL Cable Service
Techni-Tool Inc

Ancillary & Support Equipment

EBS Eqpt

Continental Electronics Corp
Gorman-Redlich Mfg Co
GP Enterprises Inc
IRT Electronics Pty Ltd
JT Communications
Pacific Recorders & Engineering
T R Pitts Co
Technet Systems Group
TFT Inc
Video Data Systems

Faders, Attenuators

ADM Systems
Audiomation/Sellmark
Audiomation Systems
Broadcast Devices Inc
D&R Electronica b.v.
ESE
Mechatronik Elektronische Bauelemente
Georg Neumann GmbH
Penny & Giles Inc
Photomart Cine-Video Inc
Prefer / Ummels bv
QSC Audio Products Inc
Sascom Marketing Group
Shalico Inc
Siemens Audio Co
Tech Labs Inc

Daniel Weiss Engineering Ltd

Acoustic Materials

ACM-Akustik und Studioplanungs GmbH
Acoustic Sciences Corp
Acoustic Systems
Acoustical Solutions Inc/
Broadcast Equipment & Parts
ilbruck inc
Industrial Acoustics Co
Lakeside Associates Inc
Netwell Noise Control
Photomart Cine-Video Inc
RPG Diffusor Systems Inc
Silent Source
Solidyne
Sonex/Ilbruck Inc
Systems Development Group Inc
USA Foam
WaveSpace Inc

Attenuators, Fixed, Impedance Matching

Atcatel Components
Allen Avionics Inc
Atlas/Soundolier - Atapco Security & Com
Canare Cable Inc
Comark Communications Inc
Comband/Microwave Filter Co
Dielectric Communications
EDCOR Electronics
ESE
FSR Inc
Har-Ken Specialties
Hewlett-Packard Co
JFW Industries
Kintronic Labs Inc
Loral Microwave-Narda
Penstock Inc
Photomart Cine-Video Inc
PTL Cable Service
Radio Design Labs
RF Industries
Sescom Inc
Tech Labs Inc
3M Telecom Markets
Trilithic Inc
Trompeter Electronics Inc

Batteries, Chargers, Analyzers, Reconditioners

Adcour Inc
Alexander Batteries
Anton/Bauer Inc
Broadcast Equipment & Parts
Cadex Electronics Inc
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NRG Research
ORA Electronics
Paco Electronics USA Inc
PAG Ltd
PEP Inc
Periphex Inc
PERROTT 'The Battery People'
Photomart Cine-Video Inc
Pro Battery Inc
Rathbone Energy Systems Inc
Reliance Comm/Tec
Sony Business & Professional Group
Synergistic Batteries Inc
Systems Wireless Ltd
Techni-Tool Inc
Total Concept Sales
Tungstone Batteries Inc
United States Broadcast
Victory Battery Co
Whirlwind
ZZZap Power

Blowers, Fans

Atlas/Soundolier - Atapco Security & Com
BGW Systems Inc
Broadcast Equipment & Parts
Bud Industries Inc
J E Cuesta Co Inc
Electrorack Products Co
Emcor Products
General Devices Co Inc
Newark Electronics
RVP Inc
Winsted Corp

Capacitors, HV

Audio Interviewal Design
Broadcast Equipment & Parts
Peter Dahl Co Inc
Jelmex Co Ltd
Newark Electronics
NWL Capacitors
Philips Components
Plastic Capacitors Inc
Surcom Associates Inc

Carts, A/V Eqp Utility

Advance Products Co
Anthro Corp
Audiopak Inc
Bretford Mfg Inc
Clipper Products
Creative Engineering
Display Devices Inc
Ferno Salesmaker
Alan Gordon Enterprises Inc
Hoodman Corp

REMIN
KART-a-BAG

Kart-A-Bag
Lucasey Mfg Corp
Luxor Corp
Nalpak Video Sales Inc
Neumade Products Corp
Parsons Mfg Corp
Peerless Industries Inc
Perma Power Electronics Inc
Photomart Cine-Video Inc
PRECO (Broadcast Systems) Ltd
Sonifex Ltd
Star Case Mfg Co Inc
Techni-Tool Inc
Vantage Point Products Corp
Winsted Corp

Cases, Eqp Transport, Tape Shippers

Aarmor Case Co
Anvil Cases
ASA Productions
Bud Industries Inc
Calzone Case Co
Clipper Products
Creative Engineering
CSI Camera Support International

Duracase Corp
EDAK
Entertainment Technology Cable Inc
Future Case
Alan Gordon Enterprises Inc
Hardigg Cases, A Div of
Hewlett-Packard Co
Howe Industries
IPK Broadcast Systems
Island Cases
Kangaroo Video Products Inc

REMIN
KART-a-BAG

Kart-A-Bag
K&H Products Ltd
Lightware Inc
LM Engineering Inc
MilesTek Inc
Nalpak Video Sales Inc
Neumade Products Corp
Newark Electronics
Parsons Mfg Corp
Penn Fabrication Inc
Photomart Cine-Video Inc
Plastic Reel Corp of America
Power Mark Case Corp
Reliance Plastics & Packaging
Rip-Tie
RTI-Research Technology International
SKB Case Co
Star Case Mfg Co Inc
Techni-Tool Inc
Tek Media Supply Co
Telepak San Diego
Thermodyne International Ltd
Viewsonics Inc
Viking Cases

Cleaning, Conditioning Treatments

T Abrasives, abrasive tapes
C Contact Enhancement
CAIG Laboratories Inc



STABILANT 22

DW Electrochemicals Ltd
E C Mitchell Co Inc
Pacific Radio Electronics
Tayo Industries
Techni-Tool Inc
TECH-SA-PORT
Tek Media Supply Co
3M Telecom Markets

Clocks

AAVS/Advanced Audio Visual Systems
Autogram Corp
AVS Graphics Ltd
BAI Systems Inc
ChronTrol Corp
W Clark & Associates
Continental Electronics Corp
DTL Broadcast Ltd



ESE
Evertz Microsystems Ltd
GP Enterprises Inc
HES Electronics
HORITA
Leitch Inc
maney-logic
Practel International Pty Ltd
Radio Systems Inc
Ram Broadcast Systems
Sonifex Ltd
Tally Display Corp



Torpey Controls
Vortex Communications

Components, Active

DAT A Business Publishing
DT Electronics Ltd
Gennum Corp
Pacific Radio Electronics
Penstock Inc
Valley Audio/Galaxy Audio

Connectors, All Types

AAVS/Advanced Audio Visual Systems
ADC Telecommunications Inc
Alcatel Components
Alpha Wire Corp
AMP
Audio Accessories Inc
Avtech Systems Inc
Broadcast Equipment & Parts
Cablewave Systems



Canare Cable Inc
Carmen Abato Enterprises Inc/CAE
Clark Wire & Cable
Cole Wire & Cable Co Inc
Comark Communications Inc
COMWAVE
Connectronics Corp
Deltron Components
DGS Pro Audio
Edac Inc
Extron Electronics



GEPCO INTL INC
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Gepco International Inc
Har-Ken Specialties
Richard Hirschmann GmbH
Hubbell Inc
Imagine Products Inc
Jensen Tools Inc
Kings Electronics Co Inc
LBA International
LBA Technology Inc
Lemo USA
Marshall Electronics Inc
MilesTek Inc
Nemal Electronics Int'l Inc
Neutrik AG
Neutrik USA Inc
Newark Electronics
OMB Sistemas Electrónicos AB
ORA Electronics
Panduit Corp
Penstock Inc
Photomart Cine-Video Inc
T R Pitts Co
Rapco International
Reliance Comm/Tec
RF Industries
Siecor Corp
SIRA Sistemi Radio
Specialty Connector
Switchcraft Inc
TASCAM
Techni-Tool Inc
Technosystem SPA
Tenco Tower Co
Teracom Components AD
3M Telecom Markets
Trompeter Electronics Inc
Union Connector
VEAM/Litton Systems Inc
Viewsonics Inc
Whirlwind
Wireworks Corp
Woods Industries Inc

Components, Passive

Audiomat/Sellmark
Broadcast Equipment & Parts

Comark Communications Inc
Comband/Microwave Filter Co
DT Electronics Ltd
JFW Industries
Kintronic Labs Inc
Lamp Technology
LBA International
LBA Technology Inc
Ledtronics Inc
Mechatronic Elektronische Bauelemente
Newark Electronics
Phasetek Inc
Plastic Capacitors Inc
UTE Microwave Inc
Vantage Lighting Inc
Veetronix Inc

Fiber-Optic Components



ADC Telecommunications Inc
Alcatel Components
Alcatel STR
AMP
Artel Communications
Avtech Systems Inc
BEC Technologies Inc
C-COR Electronics Inc
Clark Wire & Cable
Diamond SA
DiCon Fiber Optics Inc
DT Electronics Ltd
DYNAIR Electronics Inc
Entertainment Technology Cable Inc
ESP-Extraordinarily Superior Products
Fiber Options Inc
Force Inc
Fotec Inc
GEE Broadcast Systems Ltd
Grass Valley Group
Intraplex Inc
Iptek
IRT Electronics Pty Ltd
Kathrein-Werke KG
Leitch Inc
Lightwave Communications Inc
Lightwave Systems
Meret Optical Communications Inc
MilesTek Inc



Multidyne Inc
NVision Inc
Ortel Corp
Philips Broadband Networks Inc
T R Pitts Co
Practel International Pty Ltd
ProBot Communications
Siecor Corp
SSL Industries Inc
Techni-Tool Inc



Telecast Fiber Systems
Telect Inc
Telemetrics Inc
3M Telecom Markets
TMT electronics AG
Toshiba Corp
T-Tech Corp
United Technologies Photonics Inc
VEAM/Litton Systems Inc
VYVX Inc
Wavetek Corp/Instrument Div
Daniel Weiss Engineering Ltd
Wiltronix Inc

Film Cleaning, Inspection, Processing Eqp

Alan Gordon Enterprises Inc
Image Design Film Technologies

Product Directory

Lipsner-Smith Co
Neumade Products Corp
Options International
Photomart Cine-Video Inc
RTI-Research Technology Int'l
Steenbeck Inc
Techni-Tool Inc
Tek Media Supply Co

Filters, Video Hum-reduction

Alcatel Components
Allen Avionics Inc
APS Professional Video Products
Audio-Video Engineering Co
Broadcast Video Systems Ltd
Comband/Microwave Filter Co
Deerfield Laboratory
DT Electronics Ltd
FM Systems Inc
ict of North America
IRT Electronics Pty Ltd
KR Electronics Inc
Microwave Filter Co Inc
North Hills Electronics Inc
North Hills Signal Processing
Photomart Cine-Video Inc
Sabine Inc
Television Equipment Associates
Transvideo SA
TTE Inc
TV Equipment - Matthey
Video Accessory Corp

Hardware, Eqpt Mounting

AAVS/Advanced Audio Visual Systems
Adtec Productions Inc
BGW Systems Inc
Dwight Cavendish Co
Continental Electronics Corp
General Devices Co Inc
GKM Mfg Corp
IPK Broadcast Systems
Keystone Metal Products Inc
Lucasey Mfg Corp
Newton Instrument Co Inc
Nigel B Furniture
Peerless Industries Inc
Photomart Cine-Video Inc
Pivotelli/USA - Grant Products Inc
PRECO (Broadcast Systems) Ltd
Rip-Tie
Roll-A-Reel Co
Siecor Corp
SVS Inc
Theatre Service & Supply Corp
Viewsonics Inc
Winsted Corp

Labels, Adhesive-backed

Entertainment Technology Cable Inc
Miles Tek Inc
Panduit Corp
Photomart Cine-Video Inc
Polyline Corp
Professional Label Inc
Siecor Corp
Techni-Tool Inc
3M Telecom Markets
United Ad Label Co Inc
US Tape & Label Corp
Video-Matic Group

Lights, Studio On-air Warning

AAVS/Advanced Audio Visual Systems
Ac-cetera Inc
Broadcast Equipment & Parts
Fidelipac Corp
Lenbar Electronics Corp
L E Nelson Sales Corp
Ogenic Technologies
Photomart Cine-Video Inc
Titus Technological Labs
Vantage Lighting Inc

Patch Panels, Accessories, Cables

AAVS/Advanced Audio Visual Systems
Ac-cetera Inc



ADC Telecommunications Inc
Alcatel Components
AMP
Audio Accessories Inc
Avitel Electronics Ltd
AVP Manufacturing & Supply Inc
Berk-Tek Inc
BFE Fernmelde Technik & Elektronik AG
BGW Systems Inc
Broadcast Equipment & Parts



Canare Cable Inc
Clark Wire & Cable
Cole Wire & Cable Co Inc
Connectronics Corp
Continental Electronics Corp
Dielectric Communications
DT Electronics Ltd
DTL Broadcast Ltd
East Coast Video Systems
Entertainment Technology Cable Inc
Ergo
Furman Sound Inc
Gentner Communications Corp



GEPCO INTL INC
CHICAGO, IL

Gepco International Inc
Har-Ken Specialties
ITI Electronics Inc
Jampro Antennas Inc
Jem-Fab Corp
Kings Electronics Co Inc
Kintronic Labs Inc
Lenbar Electronics Corp
McCurdy Radio Industries Ltd
Micro Communications Inc
Miles Tek Inc
Mogami / Mit Inc
Nemal Electronics Int'l Inc
Neutrik USA Inc
OEI Electronics Systems Inc
Packaged Lighting Systems Inc
Panduit Corp
Penny & Giles Inc
Photomart Cine-Video Inc
Plasmec Systems Ltd
Practel International Pty Ltd
PRECO (Broadcast Systems) Ltd



Ram Broadcast Systems

Rapco International
RCI Systems Inc
Rean Products
Rip-Tie
Siecor Corp
SIRA Sistemi Radio
Switchcraft Inc
TASCAM
Techni-Tool Inc
Trompeter Electronics Inc
Videoquip Research Ltd
Whirlwind
Wiltronix Inc
Woods Industries Inc

Phase Converters, 1-to-3 Phase

Adcour Inc
Alcatel Components
Continental Electronics Corp
J E Cuesta Co Inc
Kay Industries Inc
Reliance Comm/Tec
Total Concept Sales
ZZZap Power

Power Generators, STandby

Adcour Inc
Alpha Technologies
Best Power
Brooks Power Systems
Computer Power Inc
Contact East Inc
J E Cuesta Co Inc
Deltec Electronics Corp
EFI Electronics
Electripak/Thomas & Betts Corp
Square D - EPE
Exeltech
Exide Electronics Group Inc
FWT
Indus-Tool
Instrumentation & Control Systems Inc
Kalglo Electronics Co Inc
Kensington Microwave Ltd
LEA Dynatech
Liebert Corp
Marcom
Meirick Inc
Northern Technologies Inc
On-Line Power
Perma Power Electronics Inc
T R Pitts Co
Pulizzi Engineering Inc
Rathbone Energy Systems Inc
Reliance Comm/Tec
Sanrex Corp/Micro Ups Div
Schwalm & Associates
Staco Energy Products Co
Superior Electric
Teledyne Brown Engineering
Tripp Lite
TSI Power Inc
United Power Corp
Vanner-Weldon Inc



ZZZap Power

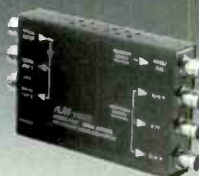
Power Line Conditioners

Adcour Inc
Alpha Technologies
Andrew Corp
Best Power
Broadcast Equipment & Parts
Brooks Power Systems
Columbine Systems Inc
Computer Power Inc
Contact East Inc
Continental Electronics Corp
Control Concepts Corp
J E Cuesta Co Inc
Current Technology Inc
Curtis Mfg Co
Peter Dahl Co Inc
Deltec Electronics Corp
EFI Electronics
Electripak/Thomas & Betts Corp
Square D - EPE
Exide Electronics Group Inc
Furman Sound Inc
FWT
GC Thorsen Inc
Hipotronics Inc
Hubbell Inc
Indus-Tool
Innovative Technology Inc
Joslyn Electronic Systems Corp
Kalglo Electronics Co Inc
LEA Dynatech
Liebert Corp
Lightning Eliminators & Consultants
Lightning Master Corp
Lightning Prevention Systems
Lyncole XIT Grounding
Marcom
MCG Electronics Inc
Meirick Inc
Newark Electronics
Northern Technologies Inc
On-Line Power
Pacific Radio Electronics
Perma Power Electronics Inc
PolyPhaser Corp
Power Integrity Corp
Pulizzi Engineering Inc
Reliance Comm/Tec
Shintron Co Inc
Staco Energy Products Co
Superior Electric
Techni-Tool Inc
Total Concept Sales
Transector Systems Inc
Tripp Lite
TSI Power Inc
United Power Corp
Westinghouse
Woods Industries Inc
Xentek Inc
ZZZap Power

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C10 SERIES
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D10C
SERIAL 4:2:2 to RGB/YUV



D10E
SERIAL 4:2:2 to NTSC/PAL

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Fax (916) 274-9442
Grass Valley, California

800-251-4224

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Product Directory

Lightning Protection Equipment

Lawrence Behr Associates Inc
Broadcast Equipment & Parts
Cortana Corp
ERI - Electronics Research
Joslyn Electronic Systems Corp
Lightning Deterrent Corp
Lightning Eliminators & Consultants
Lightning Master Corp

LIGHTNING PREVENTION SYSTEMS

Lightning Prevention Systems
Perma Power Electronics Inc
Pulizzi Engineering Inc
Sine Control International Corp
Teracom Components AD
Tower Network Services
United Power Corp

Racks, Equipment Enclosure

Aarmor Case Co
AAVS/Advanced Audio Visual Systems
Adcour Inc
Adtec Productions Inc
Allen Avionics Inc
Amco Engineering Co
AMP
Andrew Corp
Arrakis Systems
Atlas/Soundolier -
Atapco Security & Com
Audio Interviewal Design
Avitel Electronics Ltd
Avtech Systems Inc
Beck Associates Inc
BFE Fernmelde Technik & Elektronik AG
BGW Systems Inc
Bud Industries Inc
Dwight Cavendish Co
Computer Power Inc
COMWAVE
Continental Electronics Corp
Creative Engineering
J E Cuesta Co Inc
Delta Designs
EDAK
Electrorack Products Co
Emcor Products
Equipto Electronics Corp
Ergo
Future Case
FWT
General Devices Co Inc



GEPCO INTL INC
CHICAGO, IL

Gepco International Inc
GKM Mfg Corp
Hardigg Cases, A Div of
Hewlett-Packard Co
Industrial Computer Source
IPK Broadcast Systems
JNS Electronics Inc
Keystone Metal Products Inc
Kintronic Labs Inc
Leader Instruments Corp
Lenbar Electronics Corp
Leprecon/CAE Inc
Marco Inc
Marcom
Meret Optical Communications Inc
Nalpak Video Sales Inc
Neumade Products Corp
Newark Electronics
Newton Instrument Co Inc
OEL Electronics Systems Inc
Ogenic Technologies
Old Dominion Broadcast Eng Service
Pacific Radio Electronics
Pacific Recorders & Engineering
Packaged Lighting Systems Inc
Penn Fabrication Inc
Perma Power Electronics Inc
Philips TV Test Equipment

Photomart Cine-Video Inc
T R Pitts Co
Power Mark Case Corp
PRECO (Broadcast Systems) Ltd
Ram Broadcast Systems
Rip-Tie
Roll-A-Reel Co
Ruslang Corp
Sescom Inc
Skaggs Telecommunications Svcs
Sound Designers Studio
Stantron Cabinets
Systlex SA
TASCAM
Tek Media Supply Co
Total Concept Sales
Vantage Point Products Corp
Winsted Corp
Zero Stantron

Recorder Care, Recording Accessories

R B Annis Co Inc
Keith Monks Sound Systems
Polyline Corp
Sony Recording Media
Sprague Magnetics Inc
TASCAM
Tek Media Supply Co

Security Systems/Services

Boland Communications
CCTV Corp
Cohu Electronics Div
Crestron
Fast Forward Video
FM Systems Inc
Ikegami Electronics (USA) Inc
Marshall Electronics Inc
Meret Optical Communications Inc
Panasonic Broadcast & Television
Photomart Cine-Video Inc
T R Pitts Co
Practel International Pty Ltd
QSI Systems Inc
Sage Alerting Systems Inc
Sony Business & Professional
SSL Industries Inc
Systems Wireless Ltd
THORN Automated Systems Inc
Tron-Tek Inc
Viewsonics Inc
Visual Methods Inc
Winsted Corp

Reels, Cable

AAVS/Advanced Audio Visual Systems

LEANARE

Canare Cable Inc
Clark Wire & Cable
Cole Wire & Cable Co Inc
COMWAVE
Entertainment Technology Cable Inc



GEPCO INTL INC
CHICAGO, IL

Gepco International Inc
The Kurlly Tie Co
Marshall Electronics Inc
Miles Tek Inc
Nalpak Video Sales Inc
Pacific Radio Electronics
Photomart Cine-Video Inc
T R Pitts Co
PRECO (Broadcast Systems) Ltd
Rapco International
Roll-A-Reel Co
Whirlwind

Shielding, RFI/EMI

Alpha Wire Corp
Lawrence Behr Associates Inc
J E Cuesta Co Inc
EDAK
Electrorack Products Co
Jensen Tools Inc
LBA Technology Inc

Marcom
Newark Electronics
3M Telecom Markets

Static Suppressors, Environmental Controls

Kintronic Labs Inc
Techni-Tool Inc
TECH-SA-PORT
3M Telecom Markets

Storage Systems

Electrorack Products Co
Keystone Metal Products Inc
The Kurlly Tie Co
Major Engineering
Media Touch Systems Inc
Mobile Media
Neumade Products Corp
Newton Instrument Co Inc
Nigel B Furniture
Photomart Cine-Video Inc
Plastic Reel Corp of America
PRECO (Broadcast Systems) Ltd
Ruslang Corp
Star Case Mfg Co Inc
Storeel Corp
Tape Storage Systems-TCS
3M Professional A/V & Specialty Products
Tripp Communications Sales-TCS
Winsted Corp

Studio Scenery, Draperies, Sets, Furnishings

Arrakis Systems
Beck Associates Inc
Creative Engineering
The Denny Mfg Co Inc
Forecast Consoles Inc
Lake Cabinet Systems
Lakeside Associates Inc
Lumitrol Ltd
Nigel B Furniture
Photomart Cine-Video Inc



Ram Broadcast Systems
Theatre Service & Supply Corp
Uni-Set Corp
Videssence
Wheatstone Corp

Tape Cleaners, Evaluators, Conditioners

ASACA/Shiba Soku Corp of America
Audio Interviewal Design
Carpel Video
Data Security Inc
MSE Video Tape Services
Recortec Inc
RTI-Research Technology Int'l
Sony Recording Media
TASCAM
Tek Media Supply Co

Tape Loaders, Rewinders

Gauss
Recortec Inc
RTI-Research Technology Int'l
TASCAM
Tek Media Supply Co

Tape & Head Degassers; Tape Erasers

R B Annis Co Inc
Audiolab Electronics Inc
Continental Electronics Corp
Data Security Inc
Garner Industries
Photomart Cine-Video Inc
PRECO (Broadcast Systems) Ltd
RTI-Research Technology Int'l
Sanix Corp
Sprague Magnetics Inc
Taber Mfg & Engineering Co
TASCAM

Techni-Tool Inc
Tek Media Supply Co
Videomagnetics Inc
Weircliff International Ltd
Wide Range Electronics Corp

Tools, Kits

Alpha Wire Corp
AMP
Black Audio Devices

LEANARE

Canare Cable Inc
Contact East Inc
Fotec Inc
Jensen Tools Inc
Miles Tek Inc
Newark Electronics
ORA Electronics
PACE Inc
Pacific Radio Electronics
Photomart Cine-Video Inc
Sescom Corp
TASCAM
Techni-Tool Inc
3M Telecom Markets
Trompeter Electronics Inc
Weidmuller Inc/Paladin Tools
Western Electronic Production

Vehicles, Production/ENG/SNV

P Van-top camera platform

BAF Communications Corp
BTS Broadcast Television Systems
Calumet Coach Co
Carter Cartop Mfg Co
Communications & Power Industries
Custom Mobile Products Inc
E-N-G Mobile Systems Inc
FM Systems Inc
Frontline Communications
Harris Corp/Broadcast Div
IPK Broadcast Systems
Phoenix ENG
Rathbone Energy Systems Inc
Rea Electronics
Shook Electronics USA Inc
Synergistic Technologies Inc
Television Engineering Corp
Vitron Systems
Wolf Coach Inc

Voltage Regulators

Broadcast Equipment & Parts
Contact East Inc
Continental Electronics Corp
FM Systems Inc
Furman Sound Inc
Indus-Tool
Marcom
Perma Power Electronics Inc
Staco Energy Products Co
Superior Electric
United Power Corp

Wire, Cable, FO materials

A Audio, all types
C Coaxial, triaxial
O Optical fiber
S Assemblies
V Video component cable
W Wire/cable management

systems, labels, strips
AAVS/Advanced Audio Visual Systems A, C, V
ADC Telecommunications Inc o, W
Alcatel Components A, C, O, V, W
Alpha Wire Corp A, C, O, V
AMP C, O
APS Professional Video Products A, V
Avtech Systems Inc A, C, O, V, W
Belden Wire & Cable Co A, C, O
Berk-Tek Inc C, O, V
Broadcast Equipment & Parts A, C

Product Directory

ANARE.

Canare Cable Inc A, C, V
Carmen Abato Enterprises Inc/CAE A, C, V
Clark Wire & Cable A, C, O, V
Cole Wire & Cable Co A, C, O, V
Comark Communications Inc C
COMWAVE C
Concept W Systems Inc C
Connectronics Corp A, C, V
Continental Electronics Corp A, C
DGS Pro Audio A
Diamond SA O
Entertainment Technology Cable Inc A, C, O, V
Extron Electronics C
Fiber Options Inc O
FMAcoustics Ltd A
Fotec Inc O
Full Compass Systems Ltd A, C
Gabriel Electronics Inc C
GC Thorsen Inc C



GEPCO INTL INC
CHICAGO, IL

Gepco International Inc A, C, O, V
Gotham Ltd A
HAVE Inc S
ict GmbH C, V
Inline Inc C, V
Insulated Wire Inc C
Jensen Tools Inc C, O
J-Lab V
The Kurly Tie Co W
Lemo USA O
Lenbar Electronics Corp A, C, V
Lightwave Communications Inc O
LPB Inc A, C
Marcom C
Marshall Electronics Inc A, C, V
MilesTek Inc C, O, V, W
Mogami / Mit Inc A, C, O, V
Mohawk/CDT A, C, V
Nemal Electronics Int'l Inc A, C, V
Georg Neumann GmbH A
Newark Electronics A, C, O, V
OMB Sistemas Electrónicos AB C
ORA Electronics V
Pacific Radio Electronics A, C, V
Panduit Corp O
Penstock Inc C
Philips Broadband Networks Inc O
Photomart Cine-Video Inc A, C, V
T R Pitts Co C, O, V
Fuller Manufacturing Inc A
PRECO (Broadcast Systems) Ltd A, C, V
Rapco International A, C, O, V, W
Rathbone Energy Systems A, C, V
The Rip-Tie Co W
Roll-A-Reel Co W
SCV Audio A
Siecor Corp O
SSL Industries Inc O
TASCAM A, C
Techflex Inc A, W
Techni-Tool Inc O, W

Telecast Fiber Systems, Inc.

Telecast Fiber Systems O
Telect Inc O
Tel-Test Inc A, V
Teracom Components AD A, C, V
Thomson Broadcast A, C, O, V, W
Toleto Fastners Int'l/Cord-Lox O, W
Trompeter Electronics Inc C
VEAM/Liton Systems Inc O
West Penn Wire/CDT A, C
Whirlwind O
Wireworks Corp A, C, V
Woods Industries Inc C

Services

Antenna, Tower Installation, Maintenance

Andrew Corp
Antenna Concepts Inc
Arden Technologies Inc
John H Battison PE & Assoc
Broadcast Communications CMBE
Alan Dick & Co Ltd
Doty-Moore Tower Services
ERI - Electronics Research
Express Tower Co
Flash Technology Corp of America
Frontier Communications Corp
Gabriel Electronics Inc
JFW Industries
Kline Towers
LDL Communications Inc
LeBlanc & Royle Telcom Inc
Lightning Master Corp
Malouf Engineering International
Marcom
Marconi Communications Inc
Microlect Co Inc
NTL
RIZ-Transmitters Co
ROHN
Stainless Inc
Southern Illinois Antennas
Stainless Inc
Stellar Communications Inc
Swager Communications Inc
SWR Inc
Technet Systems Group
Technosystem SPA
Telefunken Sendertechnik GmbH
Teletech Inc
Tenco Tower Co
Teracom Components AD

THOMCAST

Thomcast



Tower Network Services
Transmission Structures Ltd.
Trylon Towers
TWR Lighting Inc

Utility Tower Co
Valmont Industries/ICPD

Cartridge, Cassette Reloading

Broadcast Cartridge Service
Full Compass Systems Ltd

Consulting & Design

AAVS/Advanced Audio Visual Systems
Advent Communications Ltd
AEQ SA
AF Associates Inc
John P Allen/Airspace Consultant
Alpha Video & Electronics Co
Andrew Corp
Eric Neil Angevine PE
APS Professional Video Products
Astre Systems Inc
Audio Intervisual Design
Audix Broadcast Ltd
The Austin Co
BAI Systems Inc
The Baranti Group Inc
Barbizon Light
John H Battison PE & Assoc
B&B Systems Inc
Beck Associates Inc
Franklyn R Beemish
Lawrence Behr Associates Inc
BFE Fernmelde Technik & Elektronik AG
Richard W Burden Associates
Dwight Cavendish Co
Center Video Industrial Co Inc
CMBE
Communications Data Service Inc
Communications Design Associates
COMSAT Video Distribution
COMWAVE
Continental Electronics Corp
Continental Microwave Ltd
J E Cuesta Co Inc
Robert J Dame/Airspace Consultant
Dataworld Inc
John J Davis & Associates
Doty-Moore Tower Services



VIDEO SYSTEMS, INC.

DSI Video Systems Inc
East Coast Video Systems
EDR Systems
Elcom Bauer
ELIT-Elettronica Italiana SpA
EMCEE Broadcast Products
Entertainment Technology Cable Inc
ESP-Extraordinarily Superior Products
Flash Technology Corp of America
Frontier Communications Corp
Full Compass Systems Ltd
GEE Broadcast Systems Ltd
General Microwave Services Inc
Grozik Associates
Harris Corp/Broadcast Div
Hero Productions
Richard Hirschmann GmbH

HN Telecom Inc
ict GmbH
Image Logic Corp
Intellex Corp
IPK Broadcast Systems
IRIS Technologies Inc
JMS & Associates Inc
JT Communications
Keystone Communications
Kezvale Ltd
Kintronic Labs Inc
Kopps Corp
Ron Krob Technical Consultant
Lakeside Associates Inc
Lightguide Productions
Loma Scientific International
LPB Inc
Lumitrol Ltd
Malouf Engineering International
Marcom
Kenneth R Meades
Media Touch Systems Inc
Mediatron GmbH
Mehalko Communications
Menlo Scientific Acoustics
Micro Communications Inc
Microlect Co Inc
Jay Mitchell Associates
Lawrence L Morton Associates
National Supervisory Network
Nesbit Systems Inc
Netcom
Newman-Kees Freq Measurements
The Nissen Group Inc
NTL
OEI Electronics Systems Inc
Ogenic Technologies
Old Dominion Broadcast Eng Service
OMB Sistemas Electrónicos AB
Pauza & Co Ltd
Philips TV Test Equipment
Powercet Corp
Professional Management Services
Radiotechniques Engineering Corp
Ram Broadcast Systems
Rees Associate Inc
A D Ring PA
RIZ-Transmitters Co
Ronde & Schwarz GmbH & Co Kg
Rosner Television Systems Inc
ScheduALL by VizuAll Inc
Scientel
Smith and Fisher
George R Snell Associates
SoftWright LLC
Solidyne
Sony Business & Professional
Southern Illinois Antennas
Standard Frequency Measuring Service
SWR Inc
Synergistic Technologies Inc
SYPHA
The Systems Group
Technet Systems Group
Technosystem SPA
Telefunken Sendertechnik GmbH
Teletech Inc
Television Systems Ltd
Teracom Components AD

12 PRECISION VIDEO TEST SIGNALS, AUDIO TONE \$469



- TSG-50 generates 12 composite video test signals plus 1Khz or 400Hz audio tone, and composite sync.
- All test signals computer calculated and digitally synthesized for perfect RS170A accuracy with no drift or SCH adjustments required.
- Convenient 12 position rotary switch for quick, easy pattern selection. 13th signal of 100% white field can be substituted for full field color bars.
- 30/60 second timer switches from pattern to black after timeout. • Ref Frame Pulse/59.97 Hz output.
- 9-14 volts DC powered for portable use. AC adapter included. • TSG-50B model adds 5 black outputs or 4 black plus subcarrier - \$628. • Also available in rackmount version

Unconditional Guarantee.

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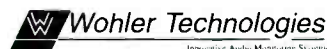
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Product Directory



Thomcast Thomson Broadcast Systems

Tower Network Services
Transtector Systems Inc
Utah Scientific - Dynatech
Utility Tower Co
VDO Ltd
Doug Vernier Telecommunications
Video Engineering Ltd
Videssence
Vizcom/Satellite Systems
Walter Brewer Corp
Walters-Stork Design Group
WaveSpace Inc
Wind River Broadcast Center



Wohler Technologies Inc
Wolf Coach Inc

Editing, Post Production Facilities

Beachwood Studios
Franklyn R Beemish
Center Video Industrial Co Inc
Cycle-Sat Inc
FM Systems Inc
John Gorrell Woodworking
HAVE Inc
Hero Productions
Image Video Teleproductions Inc
METROPOST
Qutron
Steenbeck Inc
Tayo Industries
Video Dub Inc
West Side Video

Employment Services

Communication Resources
Keystone Int'l Inc
James Lloyd Group
SBE-Society of Broadcast Engineers
Tayo Industries

Equipment Rebuilding, Reconditioning, Customizing

Alpha Video & Electronics Co
Astre Systems Inc
BC Video Services
Richard W Burden Associates
Dwight Cavendish Co
Center Video Industrial Co Inc
Century Precision Optics
Chapman/Leonard Studio Equipment Co
Chapman/Leonard Studio & Production
CMBE
Crookwood
John Gorrell Woodworking
Hall Electronics
Hewlett-Packard Co
JRF Magnetic Sciences Inc
Kintronic Labs Inc
Lumitrol Ltd
Micro Communications Inc
NTSC Productions
Old Dominion Broadcast Eng Service
Panasonic Broadcast & Television
Pauza & Co Ltd
PERROTT 'The Battery People'
PRECO (Broadcast Systems) Ltd
Specialized Communications
SWR Inc
Synergistic Technologies Inc
Tayo Industries
Technosystem SPA
Thomcast
Video Engineering Ltd

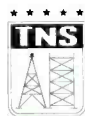
Equipment Rental, Leasing, Brokers

APS Professional Video Products
Audio Interval Design
Balboa Capital Corp
BDL Autocript
Beachwood Studios

CamMate Systems/Studios
Center Video Industrial Co Inc
Chapman/Leonard Studio Equipment Co
Chapman/Leonard Studio & Production
Continental Electronics Corp
Equipment Broker Inc
Full Compass Systems Ltd
General Microwave Services Inc
Alan Gordon Enterprises Inc
ict GmbH
Image Video Teleproductions Inc
Innovision Optics
Maze Technology
Mole-Richardson Co
NTSC Productions
Old Dominion Broadcast Eng Service
OpTex
Pauza & Co Ltd
PERROTT 'The Battery People'
Provid Supply Corp
PTL Cable Service
Ram Broadcast Systems
SAV
Steenbeck Inc
Sure Shot Teleproduction & Transmission
Systems Wireless Ltd
JA Taylor & Associates
Tayo Industries
Tektronix Inc



Telecast Fiber Systems



Tower Network Services
Tron-Tek Inc
VRI (Video Rentals Inc)
Wescam Inc

Frequency Measurement, Coordination

Communications Data Service Inc
Doty-Moore Tower Services
Johnson Measurement Service
Marcom
Phil McQuatters
Microflex Co Inc
Lawrence L Morton Associates
National Supervisory Network
Newman-Kees Freq Measurements
Old Dominion Broadcast Eng Service
PTL Cable Service
SBE-Soc of Broadcast Engineers
Standard Frequency Measuring Service
Ziehl Electronic Service

Head Refurbishing, Relapping

GEE Broadcast Systems Ltd
Hall Electronics
International Electro-Magnetics/TEM
JRF Magnetic Sciences Inc
Northern Magnetics Inc
Panasonic Broadcast & Television
Sprague Magnetics Inc
Thomson Broadcast Systems
Videomagnetics Inc

Instrument Calibration

R B Annis Co Inc
APS Professional Video Products
ASACA/ShibaSoku Corp of America
BC Video Services
Hewlett-Packard Co
Loral Microwave-Narda
Philips TV Test Equipment
Rohde & Schwarz GmbH & Co Kg
Sprague Magnetics Inc
Wavetek Corp/Instrument Div

Lens Repair

Alpine Optics Inc
Century Precision Optics
F Prime Optics

Fujinon Inc
Alan Gordon Enterprises Inc
OpTex
SAV

Media/Signal Transfers

Beachwood Studios
Carpel Video
Center Video Industrial Co Inc
CoarcVideo
Cycle-Sat Inc
DGS/Digi-Grade Systems Ltd
Elmo Mfg Corp
HAVE Inc
Hero Productions
KABA Research & Development
Optical Media International
Options International
Tayo Industries
Video Dub Inc
Video-Matic Group
Waterfront Communications Corp

Production Music, Effects Libraries, IDs

AirCRAFT Production Libraries

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The Blue Ribbon Soundworks
Broadcast Programming
DeWolfe Music Library
DigiMusic
Dimension Music and Sound Effects
Energetic Music Inc
FirstCom Music
Fresh/The Music Library
Gefen Systems
Holland Broadcast Services/Henry Eng
Henry Engineering
JT Communications
Killer Tracks
Manhattan Production Music
Music Bakery
Music Director Programming
Network Music Inc
OGM Production Music
Omnimusic
Production Garden Music Library
Promusic Inc
Radio Express
Signature Music Library
Sonic Science
SoperSound Music Library
Sound Ideas
Tayo Industries
TM Century
TRF Production Music Libraries
27th Dimension
Valentino Inc
WPA Film Library

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Antenna Concepts Inc
Arden Technologies Inc
Astre Systems Inc
Broadcast Communications
CMBE
CommSpec
Communications & Power Industries
Continental Microwave Ltd
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Alan Dick & Co Ltd
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Frontier Communications Corp
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SWR Inc
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Satellite Program Distribution & Communication Services

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COMSAT Mobile Communication
COMSAT Video Distribution
COMSAT World Systems
Cycle-Sat Inc
Direct Broadcast Services Inc
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Hero Productions
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IDB Communications & Broadcast
Keystone Communications
Mediatron GmbH
MicroNet Inc
Norsat International
NSE Radio Network
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PanAmSat
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COMSAT World Systems
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Command Corp
Communications Systems Group
Consolidated Media Systems (CMS)
Control Technology Inc
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EDR Systems
Electrex Co
ESP-Extraordinarily Superior Products
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Intergraph Computer Systems, Huntsville AL 35894; Tel: 205-730-5441, 800-763-0242, Fax: 205-730-9478; E-Mail: <http://www.intergraph.com>

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Cellcast Communication Products Inc, 2002 Ford Ave, Springdale AR 72764; Tel: 501-750-0277, 800-852-1333, Fax: 501-751-3761; E-Mail: rwm@artran.com

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CMBE, PO Box 5233, El Dorado Hills CA 95762; Tel: 916-933-9330, 800-801-2623, Fax: 916-933-3903; E-Mail: 76057.2622@compuserve.com

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Lakeside Associates Inc, 26741 Portola Pkwy #1E, Foothill Ranch CA 92610-1713; Tel: 714-770-6601, Fax: 714-770-6575

Marcom, PO Box 66507, Scotts Valley CA 95066; Tel: 408-438-4273, Fax: 408-438-6617; Products Handled: 4, 7

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BAF Communications Corp, 314-16 Northstar Court, Sanford FL 32771; Tel: 407-324-8250, 800-633-8223, Fax: 407-324-7860; Products Handled: 8

Broadcast Equipment & Parts, 13524 Brixham St, Wellington FL 33414; Tel: 407-790-4192, Fax: 407-798-0348; Products Handled: 1, 4, 2, 5, 9

FloriCal Systems Inc, 1206 NW 8th Ave, Gainesville FL 32601; Tel: 904-372-8326, Fax: 904-375-0859

Video Central, 5422 Carrier Dr #207, Orlando FL 32819; Tel: 407-363-1913, 800-922-4745, Fax: 407-363-5509; Products Handled: 7, 9

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CCA Electronics, 360 Bohannon Rd/PO Box 426, Fairburn (Atlanta) GA 30213; Tel: 770-964-3530, Fax: 770-964-2222; E-Mail: hmgnsbrg@ix.netcom.com; kjpd@aol.com; dtebbe@aol.com; Products Handled: 4, 2, 5

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D-Vision Systems Inc, 8755 W Higgins Road Second Flr, Chicago IL 60631; Tel: 312-714-1400, 800-8-DVISION, Fax: 312-714-1405; E-Mail: info@dvision.com

International Tapetronics Corp, PO Box 241, Bloomington IL 61702-0241; Tel: 309-828-1381, 800-447-0414, Fax: 309-828-1386

Roscor Corp, 1061 Feehanville Drive, Mt Prospect IL 60056; Tel: 708-299-8080, 800-843-3679, Fax: 708-299-4206; Products Handled: 1, 4, 5, 6, 7, 8, 9

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Advanced Designs Corp, 1169 W 2nd St, Bloomington IN 47403; Tel: 812-333-1922, Fax: 812-333-2030

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Harris Corp/Broadcast Div Systems Operation, 7920 Kentucky Drive, Florence KY 41042; Tel: 606-282-4800, Fax: 606-283-2818

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WireReady Newswire Systems, 82 Herbert St, Framingham MA 01701; Tel: 508-879-0080, 800-833-4459, Fax: 508-879-1199; E-Mail: wireready@wireready.com; davidg@wireready.com

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Computer Prompting & Captioning Co, 1010 Rockville Pike, Rockville MD 20852; Tel: 301-738-8487, 800-977-6678, Fax: 301-738-8488

NDG Phoenix Inc, 4641 Montgomery Ave, Bethesda MD 20814; Tel: 301-718-8880, Fax: 301-718-8883; E-Mail: ndg.com

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DSI Video Systems Inc, 627 Boulevard, Kenilworth NJ 07033; Tel: 908-245-4833, Fax: 908-245-0011; Products Handled: 5

East Coast Video Systems, 52 Ralph St, Belleville NJ 07109; Tel: 201-751-5655, Fax: 201-751-8731

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Netcom, 1465 Palisade Ave, Teaneck NJ 07666-3698; Tel: 201-837-8424, Fax: 201-837-8384

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APS Professional Video Products, 67-16 Myrtle Ave, Glendale NY 11385; Tel: 718-628-6800, 800-628-6801, Fax: 718-628-7441

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Media Touch Systems Inc, 50 Northwestern Drive #11, Salem NY 03079; Tel: 603-893-5104, Fax: 603-893-6390



Reeves AV Systems Inc, 227 E 45 St, New York NY 10017; 212-573-8652, Fax: 212-986-3591; Products Handled: 1, 6, 9

Sharb Electronics HPG Industries, 192-08 90th Ave, Hollis NY 11423; Tel: 718-479-3011, Fax: 718-479-3072

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LPB Inc, 28 Bacton Hill Road, Frazer PA 19355; Tel: 610-644-1123, Fax: 610-644-8651; E-Mail: lpbinc@aol.com

Phasetek Inc, 550 California Rd #11, Quakertown PA 18951; Tel: 215-536-6648, Fax: 215-536-7180

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Texas

Beck Associates Inc, 2403 Howard Lane, Austin TX 78728; Tel: 512-388-9777, 800-728-3725, Fax: 512-388-1833

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Avec Electronics Corp, 711 Grandy St, Norfolk VA 23510; Tel: 804-627-3502, 800-798-AVEC, Fax: 804-627-1710; Products Handled: 1, 4, 5, 7, 9

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SAIC, 4200 - M Lafayette Center Dr, Chantilly VA 22021; Tel: 703-802-7320, Fax: 703-802-7324; Products Handled: 9

Vitron Systems, 695 Central Dr #109, Virginia Beach VA 23454; Tel: 804-431-9362, Fax: 804-431-8489

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Geneva Aviation/ASTAR Specialists, 2817 100th St SW, Everett WA 98204; Tel: 206-353-7400, Fax: 206-347-7100

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Full Compass Systems Ltd, 8001 Terrace Ave, Middleton WI 53562; Tel: 608-831-7330, 800-356-5844, Fax: 608-831-6330; Products Handled: 1, 5, 6, 7, 9

Intelix Corp, 8001 Terrace Ave, Middleton WI 53562; Tel: 608-831-0880, Fax: 608-831-1833; E-Mail: intelix@fcs.msn.fullfeed.com

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LeBlanc & Royle Telcom Inc, 514 Chartwell Road, Box 880, L6J 5C5 Oakville ON Canada; Tel: 905-844-1242, Fax: 905-844-1837

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Teracom Components AD, S-24291 Horby Sweden; Tel: +46-415-16400, Fax: +46-415-16401; E-Mail: components@teracom.se; Products Handled: 4

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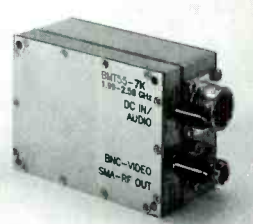
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Asia Pacific Broadcasting Union (ABU)

Box 1164 Pejabat Pos Jalan Pantai Bahru
Kuala Lumpur Malaysia 59700
+60(3)-282-3592
Fax: +60(3)-282-5292

Associated Press/Broadcast News Center

1825 K St NW # 710
Washington DC 20006-1253
202-736-1100; 800-821-4747
Fax: 202-736-1107

Association for Educational Communication & Technology (AECT)

1025 Vermont Ave NW #820
Washington DC 20005
202-347-7934; Fax: 202-347-7839

Association of Federal Communications Consulting Engineers (AFCCE)

Box 19333 - 20th St Station
Washington DC 20036-0333

Audio Engineering Society (AES)

60 E 42 St
New York NY 10165-6437
212-661-8528; Fax: 212-682-0477
Compuserve: AES 73277,1205

British Broadcasting Corp (BBC)

Kingswood Warren Rm A206
Tadworth Surrey
England KT20 6NP
+44 (0) 1737-832361 Ext 236
Fax: +44 (0) 1737-832336

Broadcast Music (BMI)

320 W 57 St
New York NY 10019
212-586-2000

Canadian Association of Broadcasters (CAB)

350 Sparks St # 306
Box 627 Station B
Ottawa ON Canada K1P 5S2
613-233-4035; Fax: 613-233-6961

Canadian Broadcasting Corp (CBC)

[Advanced Broadcasting Systems of Canada]
1500 Bronson Ave - 5th Floor
Ottawa ON Canada K1G 3J5
613-738-6581; Fax: 613-738-6593

Canadian Cable TV Association

360 Albert St #1010
Ottawa ON Canada K1R 7X7
613-232-2631; Fax: 613-232-2137

Canadian Radio-Television & Telecommunications Commission

Ottawa ON Canada K1A 0N2
819-997-0313 (General Info.)
Fax: 819-994-0218

CBS Inc

51 W 52 St
New York NY 10019
212-875-2341

Central Educational Network (CEN)

1400 E Touhy #260
Des Plaines IL 60018-3305
708-390-8700

Corporation for Public Broadcasting (CPB)

901 E St NW
Washington DC 20004-2037
202-879-9600; Fax: 202-783-1019

Country Music Association

One Music Circle S
Nashville TN 37203
615-244-2840; Fax: 615-726-0314

Eastern Educational TV Network (EEN)

120 Boylston St
Boston MA 02116-4611
617-338-4455; Fax: 617-338-5369

Electronic Industries Association (EIA)

2001 Pennsylvania St NW
Washington DC 20006-1813
202-457-4900; Fax: 202-457-4985

European Broadcast Union (EBU)

Ancienne Route 17A (CP #67)
CH-1 218 Grand Saconnex
Geneva Switzerland
+41-71-7-2111; Fax: +41-79-8-5897

Federal Communications Commission (FCC)

Office of Engineering/Technology
2025 M St NW
Washington DC 20554
202-632-7060; Fax: 202-632-0199

FOX

10201 W Pico Blvd
Los Angeles CA 90035
310-277-2211

IEEE/Institute of Electrical & Electronic Engineers

Voice of America
3300 Independence Ave SW
Washington DC 20547
202-619-3771
Fax: 202-619-3484 (Sys Eng)

IEEE/Broadcast Technology Society

c/o Voice of America
Route 1 Box 190
Greenville NC 27834
919-752-7189; Fax: 919-752-5959

International Association of Broadcasting Manufacturers

Triumph House
1096 Uxbridge Road
Hayes Middlesex
England UB4 8QH
+44 (0) 1573-8333
Fax: +44 (0) 1848-8805

International Multimedia Association (IMA)

48 Maryland Ave #202
Annapolis MD 21401-8011
410-626-1380; Fax: 410-263-0590

International Telecommunications Union (ITU)

Place des Nations
CH-1211 Geneva 20 Switzerland
+41 (22) 730-1511
Fax: +41 (22) 733-7256

International Teleconferencing Association (ITCA)

1650 Tysons Blvd #200
McLean VA 22102
703-506-3280; Fax: 703-506-3266

International Television Association (ITVA)

6311 N O'Connor Road #230
Irving TX 75039
214-869-1112; Fax: 214-869-2980
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Birmingham 205-290-8313
Boston 617-923-4882

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Providence	401-739-5000
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Sacramento	916-484-6679
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Seattle	206-623-8632
St Louis	314-768-7503
Twin Cities	612-927-8747
Washington DC	202-347-6508

MII Users Association

1950 Roland Clark Place #100
Reston VA 22091
703-620-6000; Fax: 703-620-0451

National Academy of Television Arts & Sciences

111 W 57 St #1020
New York NY 10019
212-586-8424; Fax: 212-246-8129

National Association for Better Broadcasting

7918 Naylor Ave
Los Angeles CA 90045
213-641-4903

National Association of Broadcasters (NAB)

1771 N St NW
Washington DC 20036-2891
202-429-5350; Fax: 202-429-5343

National Association of Farm Broadcasters

26 Eschance St E #307
St Paul MN 55101
612-224-0508

National Association of State Radio Networks

Louisiana Network Inc
263 Riverside Mall 5th Floor
Baton Rouge LA 70801
504-383-8695

NBC
GE Building
30 Rockefeller Plaza
New York NY 10112
212-664-4444

National Cable Television Association (NCTA)
1724 Massachusetts Ave NW
Washington DC 20036
202-775-3550; Fax: 202-775-3696
(Assoc Affairs)

National Cable Television Institute (NCTI)
801 W Mineral
Littleton CO 80120
303-797-9393; Fax: 303-797-9394

National Captioning Institute (NCI)
5203 Leesburg Pike 15th Floor
Falls Church VA 22041
703-998-2400

National Press Club
519 14th St NW
Washington DC 20045
202-662-7500; Fax: 202-879-6725

National Public Radio
2025 M St NW
Washington DC 20036
202-822-2000

National Translator Association
Box 628
Riverton WY 82501
307-845-3322

Overseas Writers
National Press Bldg
529 140th St NW #2071
Washington DC 20045
301-229-2387

Pacific Mountain Network
1550 Park Ave
Denver CO 80218
303-837-8000; Fax: 303-837-9797

Professional Film & Video Equipment Association
Box 9436
Silver Spring MD 20906-0436
301-460-8084

Public Broadcasting Service (PBS)
1320 Braddock Place
Alexandria VA 22314-1698
703-739-5000; Fax: 703-739-0775

Radio Advisory Board of Canada
880 Lady Ellen Place
Ottawa ON Canada K1Z 5L9
613-728-8692

Radio Free Europe/Radio Liberty
1201 Connecticut Ave NW
Washington DC 20036
202-457-6900

Radio & Television Correspondents Association
Senate Radio-Television Gallery-
US Capitol
Washington DC 20510
202-224-6421

Radio Television News Directors Association (RTNDA)
1000 Connecticut Ave NW #615
Washington DC 20036
202-659-6510
Fax: 202-223-4007

Radio & Television Research Council
Headquarters Group Inc
245 5th Ave # 2103
New York NY 10016

Royal Television Society
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100 Gray's Inn Road
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+44 (171) 430-1000
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Royal Television Society North American Chapter
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Box 871405
Tempe AZ 85287
602-965-7661; Fax: 602-965-1000

Society of Broadcast Engineers (SBE)
8445 Keystone Crossing #140
Indianapolis IN 46240
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FL-SW FL #127	813-283-8701
FL-Tampa Bay #39	813-289-0455
GA-Atlanta #5	404-827-8940
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WI-Western #112	507-895-2026
WV-Mountain St #116	304-295-6070



Society of Cable TV Engineers (SCTE)
William Riker
669 Exton Commons
Exton PA 19341

Society of Composers, Authors and Music Publishers of Canada (SOCAN)
41 Valleybrook Drive
Don Mills ON Canada M3B 2S6
416-445-8700; Fax: 416-445-7108

Society of Motion Picture & Television Engineers (SMPTE)
595 W Hartsdale Ave
White Plains NY 10607-1824
914-761-1100; Fax: 914-761-3115

Southern Educational Communications Assn. (SECA)
939 S Stadium Road
Columbia SC 29201
803-799-5517; Fax: 803-771-4831

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+52(5) 708-3936
Fax: +52(5) 7094815

Television Bureau of Canada
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Toronto ON Canada M4W 3P4
416-923-8813

UNESCO
7 Place de Fontenoy
F-75700 Paris France
Telex 204461
NY United Nations (212-754-5114)

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January SMPTE Winter Conf.	Broadcasting from the field	Power conditioning systems Broadcast 2000 Transporting audio
Production Interactive Transition to digital Transmission	Editing on the fly Using the Internet Planning the digital facility, Part 1 Planning your ATV system	
February	Video server architecture	Making the financial case for ATV Video compression techniques Building for widescreen
Production Interactive Transition to digital Transmission	Audio: The Impedance dilemma Web browsers Planning the digital facility, Part 2 Building multi-station towers	
March NAB	NAB Preview	Facility design showcase Broadcast 2000
Production Interactive Transition to digital Transmission	Communicating in the field Finding technical resources on the Net Compressing the bit stream Predicting ATV coverage	
April NCTA AES Europe	Networking your facility	Digital commercial insertion New camera technology Interfacing digital audio
Production Interactive Transition to digital Transmission	Production on a shoestring Finding manufacturer home pages Transporting digital video A UHF primer for VHF engineers: transmitters	
Product Source Tabloid NCTA, SCTE, AES-Europe, ITS	Second annual issue from Broadcast Engineering. This colorful, tabloid-size publication will showcase the industry's hottest new products, with full-color photos and detailed descriptions.	
May SCTE	Editing systems	Routing technology Broadcast 2000 Audio compression
Production Interactive Transition to digital Transmission	Field accessories Computer security Switching digital video A UHF primer for VHF engineers: antennas and line	
June ITS	NAB Review	TV Pick Hits
Production Interactive Transition to digital Transmission	Audio for post Plug & play: no way! Where does analog make sense? MMDS applications	

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KY-27C

3-CCD Color Video Camera

- New 1/2" broadcast-quality 380,000 pixel CCDs with advanced electronics deliver resolution of 800 horizontal lines and reduced smear.
- High sensitivity of F9.0 at 2000 lux allows a truly usable minimum illumination of 1 lux with JVC's exclusive LoLux dual pixel readout sampling technique.
- LoLux mode allows shooting scenes that were previously impossible due to insufficient lighting. CCDs are maximized for low light sensitivity equivalent to an electronic gain of 24dB, then the dual pixel readout system is added which provides an additional 6dB. Together they provide +30dB without the noise and picture degradation normally associated with this much gain.
- Signal-to-Noise ratio of 63dB assures virtually "noise free" images.
- Auto Shooting Mode where you only have to zoom, focus and record. All other parameters are controlled automatically.
- Enhanced ALC (Automatic Level Control) mode for continuous shooting in all light levels. This allows continuous automatic shooting from dark interiors to bright outdoors. Also features an aperture priority mode, manually set the iris for desired depth of focus and the ALC circuit automatically achieves correct video level.
- The Multi-Zone Iris Weighting system gives preference to objects in the center and lower portions of the picture. The Automatic Peak/Average Detection (APB) provides intelligence to ignore unusual objects such as bright lights.
- Auto knee circuitry extends a scene's light to dark dynamic range reproduction by up to five times without overexposure.
- Has large 1.5-inch viewfinder with 600 lines of resolution and SMPTE color bars. Status system provides audio levels, accumulated or remaining recording time, VTR operation, battery voltage and camera setup. Zebra pattern indication and safety zones with a center marker are also provided.
- Equipped with Variable Scan function. This allows flicker-free shooting of computer screens. Variable scan enables a precise shutter speed from 1/60.2 to 1/196.7 of a second in 256 increments to be set, matching a computer's scan rate. Almost any computer display can be clearly recorded.
- "Star" filter creates dramatic 4-point star effects. Users can also select from a wide range of optional filters.
- Advanced Memory System (AMS) stores customizable settings for various shooting conditions.
- Camera head allows direct input of genlock signal and timing adjustment. A wide range optional remote controls, RS-232 interface, multicore and triax CCU's are available.
- Docks directly to the JVC BR-S422U, BR-S411UB and BR-S420CU professional S-VHS recorders. Optional adapters for docking to Hi-8 and Betacam SP are also available.



JVC

antonbauer

Logic Series DIGITAL Gold Mount Batteries

The Logic Series DIGITAL batteries are acknowledged to be the most advanced in the rechargeable battery industry. In addition to the comprehensive sensors integral to all Logic Series batteries, each DIGITAL battery has a built-in microprocessor that communicates directly with Anton/Bauer InterActive chargers, creating significant new benchmarks for reliability, performance, and life. They also complete the communications network between battery, camera and charger. With the network in place, DIGITAL batteries deliver the feature most requested by cameramen: a reliable and accurate indication of remaining battery power.



DIGITAL PRO PACS

The Digital Pro Pac is the ultimate professional video battery and is recommended for all applications. The premium heavy duty Digital Pro Pac cell is designed to deliver long life and high performance even under high current loads and adverse conditions. The size and weight of the Digital Pro Pac creates perfect shoulder balance with all cameras/camcorders.

- **DIGITAL PRO PAC 14 LOGIC SERIES NICAD BATTERY**
14.4v 60 Watt Hours 5 1/8 lbs. Run time: 2 hours @ 27 watts, 3 hrs @ 18 watts
- **DIGITAL PRO PAC 13 LOGIC SERIES NICAD BATTERY**
13.2v 55 Watt Hours 4 3/4 lbs. Run time: 2 hours @ 25 watts, 3 hours @ 17 watts

GOLD MOUNT BATTERIES

Logic Series Gold Mount batteries are identical to the respective DIGITAL versions with respect to size, weight, capacity, IMPAC case construction, and application. They are similarly equipped with micro-code logic circuits and comprehensive ACS sensors. They do not include DIGITAL microprocessor features such as the integral diagnostic program "Fuel Computer", LCD/LED display and InterActive viewfinder fuel gauge circuit.

- **PRO PAC 14 NICAD BATTERY** (14.4v 60 Watt Hours)
- **PRO PAC 13 NICAD BATTERY** (13.2v 55 Watt Hours)
- **MAGNUM 14 NICAD BATTERY** (14.4v 72 Watt Hours)
- **MAGNUM 13 NICAD BATTERY** (13.2v 66 Watt Hours)
- **COMPAC MAGNUM 14 NICAD BATTERY** (14.4v 43 WH)
- **COMPAC MAGNUM 13 NICAD BATTERY** (13.2v 40 WH)

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Vision SD 12 and SD 22 Pan and Tilt Heads with Serial Drag

The Vision SD 12 and SD 22 are the first heads with the "Serial Drag" pan and tilt system. The system consists of a unique, permanently-sealed fluid drag and an advanced lubricated friction drag. So for the first time, one head gives you all the advantages of both fluid (viscous) and lubricated (LF) drag systems—and none of their disadvantages. Achieve the smoothest pans and tilts regardless of speed, drag setting and ambient temperature. The Serial Drag system provides the widest range of infinitely variable precise settings with repeatable, consistent drag in each pan and tilt direction.

- Features:**
- Simple, easy-to-use external control for perfect balance.
 - Patented spring-assisted counter-balance system permits perfect "hands-off" camera balance over full 180° of tilt.
 - Instant drag system breakaway and recovery overcome inertia and friction for excellent "whip pans".
 - Consistent drag levels in both pan and tilt axis.
 - Redesigned flick on, flick off pan and tilt caliper disc brakes.
 - Greater control, precision, flexibility and "touch" than any other head on the market.
 - Touch activated, time delayed illuminated level bubble.
 - Environmental working conditions from as low as -40° to as high as +60°C.
 - SD 12 weighs 6.6 lbs and supports up to 35 lbs.
 - SD 22 weighs 12.7 lbs and supports up to 55 lbs.

Vision Two Stage ENG and LT Carbon Fibre ENG Tripods

The ultimate in lightweight and innovative tripods, they are available with durable tubular alloy (Model #3513) or the stronger and lighter, axially and spirally wound carbon fibre construction (Model #3523). They each incorporate the new torque safe clamps to provide fast, safe and self-adjusting leg clamps that never let you down. Two stage operation gives them more flexibility when in use as well as greater operating range.

- "Torque Safe" requires no adjustment. Its unique design adjusts itself as and when required, eliminating the need for manual adjustment and maintenance and making for a much more reliable clamping system.
- New hip joint eliminates play and adds rigidity.
- They both feature 100mm levelling bowl, fold down to a compact 28", and support 45 lbs.
- The #3513 weighs 6.5 lbs and the #3523 CF (Carbon Fibre) weighs 5.2 lbs.

Vision 12 Systems

All Vision 12 systems include #33643 SD 12 dual fluid and lubricated friction drag pan/tilt head, single telescoping pan bar and clamp with 100mm ball base.

SD-12A System

- 3364-3 SD-12 Pan and tilt head
- 3518-3 Single stage ENG tripod with 100mm bowl
- 3363-3 Lightweight calibrated floor spreader

SD-12D System

- 3364-3 SD-12 Pan and tilt head
- 3513-3 "two-stage" ENG tripod with 100mm bowl
- 3363-3 Heavy-duty calibrated floor spreader

SD-12LT System

- 3364-3 SD-12 Pan and tilt head
- 3523-3 Two-stage carbon fibre ENG tripod w/100mm bowl
- 3363-3 Heavy-duty calibrated floor spreader
- 3425-3A Carry strap
- 3340-3 Soft case

Vision 22 Systems

All Vision 22 systems include #3386-3 SD-22 dual fluid and lubricated friction drag pan and tilt head, single telescoping pan bar and clamp with dual 100mm/150mm ball base.

SD-22E System

- 3386-3 SD-22 Pan and tilt head
- 3219-52 Second telescoping pan bar and clamp
- 3516-3 "two-stage" EFP tripod with 150mm bowl
- 3314-3 Heavy-duty calibrated floor spreader

SD-22 LT System

- 3386-3 SD-22 Pan and tilt head
- 3219-52 Second telescoping pan bar and clamp
- 3383-3 Two-stage carbon fibre ENG tripod w/100mm bowl
- 3314-3 Heavy-duty calibrated floor spreader
- 3425-3A Carry strap
- 3341-3 Soft case

SD-22 ELT System

- 3386-3 SD-22 Pan and tilt head
- 3219-52 Second telescoping pan bar and clamp
- 3383-3 Two-stage carbon fibre ENG tripod w/150mm bowl
- 3314-3 Heavy-duty calibrated floor spreader

Century precision optics

WIDE ANGLE ADAPTERS

Tools For Creative Videographers

Century Precision's wide angle adapters open new possibilities for videographers. By providing a wider angle of view they let you capture more of the action from close up—especially crucial when shooting in tight quarters. Using a wide angle adapter also yields increased depth of field and shorter MOD (minimum object distance), enabling you to move closer to the subject and to arrange subjects within a shot over a greater range of distance relative to the lens. Century's wide angle adapters are divided into two classes: fixed focal length adapters and zoom-through converters. The Wide Angle Adapter Set, 6X Double Asphere and Super Fisheye are designed for use with a zoom lens set at its widest focal length. With one of these adapters a zoom lens performs as a wide or super wide angle fixed focal length lens. (Focus is done by using the lens' manual function.) For zoom-through applications, the 8X Wide Converter is perfect for shooting situations which require wide angle and the ability to zoom.

WA-7X5X WIDE ANGLE ADAPTER SET

- Compact, lightweight and economical, the Wide Angle Adapter Set is the industry standard. The set consists of two lenses: the 7X Wide Angle and 5X Super Wide Angle. The 7X attaches to the front of a zoom lens, increasing coverage by 30%.



- For example, when attached to a lens that zooms to 9mm, the 7X W/A adapter shortens the effective focal length to 6.3mm. Adding the 5X Super Wide further alters the wide end of the lens to just 4.5mm. Thus producing coverage nearly double that captured by the lens alone.

WA-7X93 7x Wide Angle Adapter	445.00	WA-7X5X Wide Angle Adapter Set (WA-7X93 and WA-5X45)	895.00
WA-5X45 5X Super Wide Angle Adapter	535.00	FA-6X Step-up Ring (specify 75mm, 80mm, 85mm, 90mm). ea.	104.95

SUPER FISHEYE ADAPTER

- When you need the widest possible angle of view, the Super Fisheye Adapter produces an extraordinary degree of barrel distortion for a magnification factor of approximately 55x. For example, adding the Super Fisheye to a modern 15x 8 lens results in a 116° horizontal angle of view—a remarkable 145° when measured diagonally.
- Due to the Super Fisheye's characteristic barrel distortion, extreme low and high angle shots are also made dramatically. An attic crawl space can induce heightened claustrophobia or a forest of tall skyscrapers made to bend menacingly over the audience. And since the Super Fisheye takes in a much wider angle of view than the human eye, it can also be used to plunge the audience into a scene—surrounding them with a noisy crowd or exiting them to a lonely beach.

WA-FESU Super Fisheye Adapter (specify lens front diameter).	1049.95
WA-FE75 Super Adapter for industrial zoom lenses with 75mm fronts	445.00
FA-6X Step-up Ring (specify 75mm, 80mm, 85mm, 90mm).	ea. 104.95

8X ZOOM-THRU WIDE ANGLE CONVERTER

The 8X Wide Converter offers the high quality, economical way to expand a lens' angle of view when the shot requires a zoom—as well as situations which require both a wider angle of view and the ability to zoom.

- The 8X attaches quickly to the front of a zoom lens, effectively shortening its focal length while maintaining full zoom capabilities. With the converter attached, 20% more coverage is realized when the lens is set to wide angle, telephoto or anywhere in between. For example, when added to an 8.5-119mm lens, the 8X Wide Converter alters the focal range to 7-98mm. This can be especially advantageous when shooting in confined quarters.



- The 8X not only expands field of view but also reduces minimum object distance (MOD). The camera can therefore move considerably closer to the subject while maintaining focus. And because there is no light loss with the 8X, there is no need to change exposure or lighting.

WA-8XCW 8X Wide Zoom-Thru Converter	1479.00
FA-388X 138mm Filter Adapter	164.95

6X DOUBLE ASPHERE WIDE ANGLE ADAPTER

- Unequivocally superior to every other wide angle adapter, the 6X Double Asphere utilizes a single element with two aspheric surfaces. This design ensures a performance that is not possible with conventional single element adapters. The adapter minimizes distortion and reduces chromatic aberration while dramatically increasing edge resolution.

- Remarkably lightweight and compact, the 6X was created especially for use with the latest internal focus lenses like Canon and Fujinon's 15x8. The 6X increases their coverage 40%, effectively changing a 15x8 into a super-sharp 4.8mm fixed focal length lens.
- The 6X fits most lenses via interchangeable adapter rings. An accessory Lens Shade/Filter Holder accepts either a single 4x5 or Panavision-size filter holder.

WA-6XAS 6X Double Asphere (fixed focal length)	1225.00
FA-6XAS Sunshade for 6X Double Asphere with slot to accept one 4x5 or 4x5.65 filter in a holder	349.95
FH-4X50 4x5 Filter Holder	199.95
FH-4565 4x5.65 Filter Holder	199.95

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TASCAM DA-88 Multi-Track Recorder



The first thing you notice about the eight channel DA-88 is the size of the cassette. It's a small Hi-Vi video cassette. You'll also notice the recording time - up to 120 minutes. These are just two of the advantages of the DA-88's innovative use of 8mm technology.

- Intrinsic to the 8mm video format is the Automatic Track Finding (ATF) control system. This approach records the tracking control information, along with the program material, using the helical scan (video) head. Competing S-VHS based system record the tracking data with a linear recording head, independent of the program data. The S-VHS tape must be run at a higher speed (thereby delivering shorter recording time) to deliver control track reliability, and requires some form of automatic or manual tracking adjustment. Synchronization and tracking must be adjusted, either automatically or manually (just like on your home VCR) as the machine ages, or if the tape is played back on another machine.
- On the other hand, the ATF system ensures that there will be no tracking errors or loss of synchronization. The DA-88 doesn't even have (or need) a tracking adjustment. All eight tracks of audio are perfectly synchronized. What's more, this system guarantees perfect tracking and synchronization between all audio tracks on all cascaded decks - whether you have one deck or sixteen (up to 128 tracks!).
- Incoming audio is digitized by the on-board 16-bit D/A at either 44.1 or 48KHz (user selectable). The frequency response is flat from 20Hz to 20KHz while the dynamic range exceeds 92dB. As you would expect from a CD-quality recorder, the wow and flutter is unmeasurable.
- One of the best features of the DA-88 is the ability to execute seamless Punch-ins and Punch-outs. This feature offers programmable digital crossfades, as well as the ability to insert new material accurately into tight spots. You can even delay individual tracks, whether you want to generate special effects or compensate for poor timing. All of this can be performed easily on a deck that is simple and intuitive to use.

OPTIONS

- **RC-808** - Single Unit Remote Control
- **RC-848** - System Remote Control
- **MU-8824** - 24-Channel Meter Unit
- **SY-88** - Complete SMPTE/EBU Chase Synchronizing and MIDI Machine Control interface

Fostex

RD-8 Multi-Track Recorder



This digital multitrack recorder is designed specifically for the audio professional. Fostex has long been a leader in synchronization, and the RD-8 redefines that commitment. With its built-in SMPTE/EBU reader/generator, the RD-8 can stripe, read and jam sync time code - even convert to MIDI time code. In a sync environment the RD-8 can be either Master or Slave. In a MIDI environment it will integrate seamlessly into the most complex project studio, allowing you complete transport control from within your MMC (MIDI Machine Control) compatible sequencer.

- Full transport control is available via the unit's industry-standard RS-422 port, providing full control right from your video day. The RD-8 records at either 44.1 or 48KHz and will perform Full-Up and Full-Down functions for film/video transfers. The Track Slip feature helps maintain perfect sound-to-picture sync and the 8-Channel Optical Digital Interface keeps you in the digital domain.
- All of this contributes to the superb sound quality of the RD-8. The audio itself is processed by 16-bit digital-to-analog (D/A) converters at either 44.1 or 48KHz (user selectable) sampling rates, with 64X oversampling. Playback is accomplished with 18 bit analog-to-digital (A/D) and 64X oversampling, thus delivering CD-quality audio.
- The S-VHS transport in the RD-8 was selected because of its proven reliability, rugged construction and superb tape handling capabilities. Eight tracks on S-VHS tape allow much wider track widths than is possible on other digital tape recording formats.
- With its LCD and 10-digit display panel, the RD-8 is remarkably easy to control. You can readily access 100 locate points, and cross-fade time is fully controllable in machine to machine editing. Table of Contents data can be recorded on tape. When the next session begins, whether on your RD-8 or another, you just load the set up information from your tape and begin working. Since the RD-8 is fully ADAT compliant, your machine can play tapes made on other compatible machines, and can be controlled by other manufacturers ADAT controllers. Your tapes will also be playable on any other ADAT deck.
- In addition to familiar transport controls, there are a number of logical, user friendly features. This is the only unit in its class with an on-board, back-lit variable contrast LCD display. It provides all of the information you'll need to keep track of offsets, punch points, generator functions and other pertinent data. Three function keys, combined with HOME, NEXT and UP/DOWN buttons, enable you to navigate the edit menus effortlessly. If you need to have access to the front panel controls, the optional model 8312 remote control gives you remote command of the most common functions.

Nova SYSTEMS, INC.

NovaRouter 8x8, 16x16, 32x32 Intelligent Matrix Routing Switchers

A series of serially controlled audio and video matrix routing switchers, NovaRouters are available in 8x8, 16x16 and 32x32 matrices. They are capable of up to five switching levels to support unlimited combinations of stereo audio, component, composite and S-video, RGB/S and VGA graphics. Audio follow video or breakaway routing is controlled by very intuitive computer software or optional XY control panels.

All NovaRouters include an RS-232 interface and software. The software and VGA display provide quick visualization of all crosspoints and facilitates routing operations. An unlimited number of switching configurations may be stored in memory and recalled at the click of a mouse. User defined labels for all sources and destinations provide positive identification of the matrix status. One PC (386 or better) can control several NovaRouter Systems for multiple studio or large presentation system applications. An optional, easy-to-use, push-button XY control panel provides routing functions for basic systems without the use of a computer. All video, audio and audio follow video switching functions are controlled by source select and destination select switches. Changing and verifying the matrix configuration is simple and clear. The XY controls may be front panel mounted or are available as a rackmountable remote control unit.

Broadcast quality audio and video processing and microprocessor control ensure superior quality and performance. Yet the simplicity and modular configurations of NovaRouters make them economical for broadcast, production, cable TV, graphics, presentation, educational and teleconferencing applications.

System Configurations:

	8 x 8 Matrices:	Price	16 x 16 Matrices:	Price	32 x 32 Matrices:	Price
Video	NR-8V	1395.00	NR-16V	3299.00	NR-32V	7199.00
S-Video	NR-8Y	2995.00	NR-16Y	5799.00		
Stereo Audio	NR-8A	1299.00	NR-16A	2249.00	NR-32A	4999.00
Balance Stereo Audio	NR-8AB	1750.00	NR-16AB	3299.00	NR-32AB	6695.00

XY Front Panel Control:			Price	XY Remote Control:			Price
XY-8P	8x8		275.00	XY-8RM	8x8		375.00
XY-16P	16x16		495.00	XY-16RM	16x16		595.00
XY-32P	32x32		895.00	XY-32RM	32x32		995.00

CHYRON Graphics

PC-CODI TEXT and GRAPHICS GENERATOR

A PC-compatible (ISA bus) board, the PC-CODI incorporates a broadcast quality encoder and wide bandwidth linear keyer to provide highest quality realtime, video character generation and graphics display. Used individually or configured with multiple boards, it is a complete and affordable solution for information displays, broadcast, video production or multi-media applications.

- Standard PC/AT ISA bus interface: 2/3 length form factor
- Fully-antialiased displays
- Less than 10nsec. effective pixel resolution
- 16.7 million color selections
- Fast, realtime operations
- Character, Logo and PCX Image transparency
- Display and non-display buffers
- Bitstream typeface library selection
- Variable edges, border, drop shadow and offset
- Variable flush
- Full position and justify control of character & row
- User definable intercharacter spacing (squeeze & expand)
- Multiple roll/crawl speeds • Automatic character kerning
- User definable tab/template fields
- Shaded backgrounds of variable sizes and transparency
- User definable read effects playback, wipes, pushes, fades
- High quality composite & S-video (Y/C) encoder
- Integral composite and S-video linear keyer
- NTSC or PAL sync generator with genlock
- Module switchable NTSC or PAL operation
- Software controlled video timing
- Board addressability for multi-channel applications
- Auto display sequencing
- Local message/page memory
- Preview output with safe-title/cursor/menu overlay
- Composite & S-video input with auto-genlock select

SONY COLOR MONITORS

PVM-1350

13" Presentation Monitor

- Employs a P-22 phosphor line pitch CRT to deliver stunning horizontal resolution of 450 horizontal lines.
- Equipped with beam current feedback circuit which eliminates white balance drift for long term stability of color balance.
- Has analog RGB, S-video and two composite video (BNC) inputs as well as 4 audio inputs.
- Automatic Chroma/Phase setup mode facilitates the complex, delicate procedure of monitor adjustment. Using broadcast standard color bars as a reference, this function automatically calibrates chroma and phase.
- Chroma/Phase adjustments can also be easily performed with the monochrome Blue Only display. In Blue Only mode video noise can be precisely evaluated.
- Factory set to broadcast standard 6500K color temperature.
- Provides an on-screen menu to facilitate adjustment/operation on the monitor. The on-screen menu display can be selected in English, French, German, Spanish or Italian.
- On power up, automatic degaussing is performed.
- There is also a manual degauss switch to demagnetize the screen.
- Sub control menu allows fine adjustments to be made on the knob control for contrast, brightness, chroma and phase. The desired level can be set to the click position at the center allowing for mut-

PVM-1351Q

13" Production Monitor

- Has all the features of the PVM-1350 PLUS.
- Is also a multisystem monitor. It accepts NTSC, PAL and NTSC video signals. NTSC 4.43 can also be reproduced.
- Equipped with a SMPTE 259M Serial Digital Interface. By inserting the optional serial digital interface kit BKM-101C for video and the BKM-102 for audio the PVM-1351Q can accept SMPTE 259M component serial digital signals.
- Equipped with RS-422 serial interface. With optional BKM-103 serial remote control kit all of the monitor's functions can be remotely controlled with greater confidence and precision.
- Equipped with input terminals such as component (Y/R-B-Y), analog RGB, S-video, 2 composite video (BNC) and 4 audio terminals for complete flexibility.
- Aspect ratio is switchable between 4:3 and 16:9 simply by pressing a button.
- Underscan and H/V delay capability. With underscan, entire active picture area is displayed. Allows you to view entire image and check the picture edges. H/V delay allows viewing of the blanking area and sync/burst timing by displaying the horizontal and vertical intervals in the center of the screen.
- Color temperature switchable between 6500K/8300K/User preset. 6500K is factory preset. 8300K is for a more pleasing picture. User preset is 3200K to 10,000K.

PVM-1354Q/PVM-1954Q 13" and 19" Production Monitors

All the features of the PVM-1351Q PLUS.

- SMPTE C standard phosphor CRT is incorporated in the PVM-1354Q/1954Q. SMPTE C phosphors permit the most critical evaluation of any color subject. Provides over 600 lines of horizontal resolution.
- The PVM-1354Q mounts into a 19-inch EIA standard rack with the optional M8-502B rack mount bracket and SLR-102 slide rail kit same as PVM-1351Q. The PVM-1954Q mounts into a 19-inch EIA rack with the optional SLR-103 slide rail kit.

SHURE



FP32A PORTABLE STEREO MIXER

This small and rugged portable mixer is well equipped to handle the demands of EFF, ENG, live music recording or any other situation that requires a low noise high performance mixer.

- High quality-low noise electronics, perfect for digital recording and transmission
- Three balanced inputs, two balanced outputs plus tape out and monitor
- Supports all types of condenser mics with internal phantom supply
- Inputs can be switched between mic and line level
- Each channel has own pan pot
- Each channel has illuminated meter and peak indicator
- Two units can be cascaded to provide six input channels
- Internal 1KHz oscillator for record and send level calibration
- Internal (2x9V alkaline batteries) or external power
- Switchable low cut filters

MACKIE



MicroSeries 1202 12-Channel Ultra-Compact Mic/Line Mixer

Usually the performance and durability of smaller mixers drops in direct proportion to their price, making lower cost models unacceptable for serious recording and sound reinforcement. Fortunately, Mackie's fanatical approach to pro sound engineering has resulted in the Micro Series 1202, an affordable small mixer with studio specifications and rugged construction. The Micro Series 1202 is a no-compromise, professional quality ultra-compact mixer designed for non-stop 24 hour-a-day professional duty in broadcast studios, permanent PA applications and editing suites where nothing must ever go wrong. So no matter what your application, the Micro Series 1202 is ideal. It's the prime consideration or you simply want the best possible mixer in the least amount of space, there is only one choice.

CR-1604

16-Channel Audio Mixer

In less than three years, the Mackie CR-1604 has become the industry standard for compact 16-channel mixers. It is the hands-down choice for major touring groups and studio session players, as well as for broadcast, sound contracting and recording studio users. For them the CR-1604 offers features, specs, and day-in-day-out reliability that rival far larger boards. Its remarkable features include 24 usable line inputs with special headroom/ultra-low noise Unityplus circuitry, seven AUX sends, 3-band equalization, constant power pan controls, 10 segment LED output metering, discrete front end phantom-powered mic inputs and much more.

TASCAM M-2600 Series 16/24/32 Channel Eight Channel Mixers



LOW NOISE CIRCUITRY

- Combining completely redesigned, low noise circuitry with Absolute Sound Transparency™ the M-2600 delivers high-quality extremely clean sound. No matter how many times your signal goes through the M-2600, it won't be colored or altered. The signal remains as close to the original as possible. The only coloring you hear is what you add with creative EQ and your outboard signal processing gear.
- Double reinforced grounding system eliminates any hum. World-class power supply provides higher voltage output for better headroom and higher S/N ratio.

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HORITA

WG-50 Window Dub Inserter

- Makes burned-in SMPTE TC window dub copies
- Indicates drop-frame or non-drop-frame time code
- Also functions as play speed SMPTE time code reader
- Adjustments for horizontal and vertical size and position
- Dark mask or "see-thru" mask surrounds display
- Provides reshaped time code output for copying TC
- Displays time code or user bits • Display on/off
- Field 1 field 2 indicator • Sharp characters
- Always frame accurate (on time)

\$269

TG-50 Generator / Inserter

Combination time code generator and window dub inserter. It includes all features of WG-50 PLUS—

- Generates SMPTE time code in drop/non-drop-frame format
- Jamsync mode joins to time code input and outputs new TC
- Simple "on screen" preset of time code and user bits
- Run/stop operation using front panel momentary switch
- Selectable 30/60/120-second automatic generator back-time
- Make a window dub copy while recording TC on source tape

\$349

BSG-50 Blackburst/Sync/Tone Generator

The BSG-50 provides an economical means for generating the most common RS-170A video timing signals used to operate various video switchers, effects generators, TBCs, VCRs, cameras and video edit controllers.

- 6 BNC video/pulse outputs
- Now available: 6 blackburst 4 sync, 2 subcarrier
- Each sync output individually settable for composite sync, composite blanking, H-drive or V-drive
- Separate buffer for each output—maximum signal isolation
- 1KHz, 0dB sine wave audio tone output, locked to video
- Outputs can easily be configured to meet specific user and equipment needs

\$269



CSG-50 Color Bar/Sync/ Tone Generator

- Generates full/SMPTE color bars, blackburst and composite sync signals
- Built-in timer can automatically switch video output from color bars to color black after 30 or 60 seconds. Easy and convenient for producing tape leaders and stripping tapes with color bars and black
- Front panel selection of full-field or SMPTE color bar patterns or color/black (blackburst) video output
- Includes crystal-controlled, 1KHz, 0dB audio tone output
- Outputs video, sync, ref frame, 1 KHz, 0dB
- Audio tone switches to silence and color bars change to black when using 30/60 second timer
- Fully RS-170A SC/H phased and always correct. No adjustment required

\$349

TSG-50 NTSC Test Signal Generator

The TSG-50 generates 12 video test signals suitable for setting up, aligning, and evaluating the performance of various video equipment found in a typical video editing system, such as video monitors, distribution amplifiers, VCRs, switchers, effects generators, TBCs, etc. In addition to the video signals, the TSG-50 also generates composite sync, and with a video DA such as the Horita VDA-50, becomes a high quality, multiple output, house sync generator.

- Fully RS-170A SC/H phased and always correct. No adjustments ever required
- Built-in timer automatically switches video output from color bar pattern to black after 30 or 60 seconds. Makes it easy to produce tape leaders of color bars followed by black
- Video signals generated are in accordance with industry standard EIA RS-170A video timing specification
- Audio tone switches to silence and color bars change to black when using 30/60 second timer
- Convenient pattern selection - 12 position front panel switch
- Includes crystal controlled, 1 KHz, 0dB audio tone output
- Generates precise oscilloscope trigger output signal one H line before start of color field 1
- Outputs: video, sync, ref frame, 1KHz, 0dB

\$439

WE STOCK THE FULL LINE OF HORITA PRODUCTS INCLUDING:

- WG-50 - Window Dub Inserter
- TG-50 - Generator/Inserter
- TRG-50 - Generator/Inserter/Search Speed Reader
- TRG-50PC - Has all of the above plus RS-232 control
- VG-50 - VITC Generator, LTC-VITC Translator
- VLT-50 - VITC to LTC Translator
- VLT-50PC - VITC to LTC Translator / RS-232 Control
- RLT-50 - HIR (EVO-9800/9850) LTC to LTC translator
- TSG-50 - NTSC Test Signal Generator
- SCT-50 - Serial Control Titrer "Industrial" Cg.
- Time-Date Stamp, Time Code Capioning
- SAG-50 - Area, Convergence Pattern and Oscilloscope Line Trigger and Generator

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TRUEVISION TARGA 2000 PRO PCI

PC-based Digital Video Capture Board

Designed for high performance IBM compatibles, Truevision's TARGA 2000 PRO PCI brings tremendous power to the desktop video editing market. With the proliferation of PC-based video (and audio) programs, and the domination of the platform by Microsoft's Windows, there has been a demand for high performance hardware that won't tie up the computer's resources. The TARGA 2000 PRO PCI meets that demand with a board that performs all its own signal processing. Realtime CODEC (COmpression/DECompression) processing of audio and video, 24-bit video windowing and full motion/full screen print-to-tape are just a few of its many capabilities.

- Allows recording and playback of video directly to/from hard drive at full motion, full frame rates (50 fields/sec - PAL, 60 fields/sec-NTSC). Video is stored and played back at the highest resolution for each format (768 x 576 x 24 bit - PAL, 640 x 480 x 24 bit - NTSC). Compression can be adjusted on the fly to optimize for image quality and/or minimum storage space.
- Equipped with composite, S-video and component (Betacam) inputs and outputs.
- Accelerated Windows 3.1 and Windows NT drivers offer integrated, true-color (24-bit), non-interlaced desktop up to 1152 x 870 pixels.
- Genlock using separate sync input for working in professional video suites.
- Provides a large work area for displaying video, as well as editing application controls. Any part of the display (or even the whole image) can be recorded to tape (video-out-of-a-window).
- The audio is digitized at 16-bit resolution (at 44.1KHz or 48KHz sampling rates), yielding professional quality stereo sound. Since all audio and video processing is done by on-board DSPs, you are assured of perfectly synchronized sound and images.
- View your desktop and video-in-a-window on your non-interlaced high resolution desktop display while the processed video is output at NTSC or PAL resolutions to a video monitor and/or a VCR.
- All Windows, VFW (Video for Windows) and AUI compatible software run perfectly on the TARGA 2000. You have a choice of hundreds of applications, with more to come (see Real Impact below).

Complete Truevision TARGA 2000/Avid Real Impact Non-Linear Turnkey System:
• TARGA 2000 PRO PCI digital video capture board • Avid Real Impact software • 220-watt, 6-bay midtower case • PCI motherboard with 256K synchronous cache • Pentium 133 Mhz processor • Diamond Stealth64 Video VGA display card • 32MB of EDO (Extended Data Out) RAM • Quantum 1GB IDE system drive • Seagate (Barracuda) 4.1GB SCSI Wide hard drive • Adaptec AHA-1940W Fast Wide SCSI II controller card • 3.5" floppy drive • Toshiba 4x CD-ROM drive • Aitec-Lansing 300.1 three-piece speaker system • Mag MXG-17F 17" multiscan monitor • Focus 2001A keyboard, Microsoft MS mouse • MS-DOS 6.22, Windows 3.11 and Windows NT 3.51 software **\$14,500**

Enhancement Options Available:
• Additional 32MB of RAM • Additional 256K cache memory • Seagate (Elite) 9.1GB SCSI Wide hard drive • Mag 21" multiscan monitor • 8x CD-ROM drive • Adobe Premier 4.0a for Windows



Real Impact Video Editing Software for TARGA 2000

NEW!



With the introduction of Real Impact, Avid provides Windows users with the same professional image quality, intuitive cut/copy/paste editing, and instant random access capabilities that have won 2 Emmy awards—for thousands of dollars less than outsourcing an average video. Designed exclusively for Truevision's TARGA 2000, Real Impact lets you create professional-quality video with audio, graphics, animations, special effects and titles—with the speed, flexibility and creative freedom you need. Create sales, training and product videos right on your PC quickly and easily—without compromising quality. Produce video in 24-bit color, with CD-quality sound and perfect lip sync.

Easy to Use: A true Windows 32-bit application (Windows NT 3.51 or later), Real Impact's intuitive interface and extensive on-line help get you productive right away. It's powerful editing features let you work with video, audio, graphics, animations and titles with the simplicity of cut, copy and paste.

Video Capture: Digitize video and audio from your camcorder, VCR or professional tape deck—without dropping a frame. Your video will be full-screen, full-motion, 30 frames-per-second and your audio in sync. With its Dial-A-Quality image feature, Real Impact allows you to adjust image quality for differing system, storage and delivery requirements.

Create a Storyboard: Extensive media management with Real Impact's built-in media library and database let you easily find the video and audio clips that you want. Instant random access makes previewing edits simple and immediate. And, with timeline editing, you just click and drag to experiment with different cuts, rearrange clips and assemble your story. There are 32 levels of undo/redo.

Add Graphics, Titles and Special Effects: Its easy to create and seamlessly incorporate audio, graphics and animations into your video using popular Windows-based applications. Real Impact supports AVI video files, WAV audio files, FLC animation files as well as BMP, JPEG, PCX, TGA and TIFF graphics files.

Add Audio: Polish your audio with music and narration. Adjust pan and volume in real time. Simultaneous playback of four audio tracks makes audio editing quick and easy. View your four audio tracks in sync with the video immediately, no waiting for tracks to compile.

Digital Media Interchange: Real Impact is compatible with the Open Media Framework (OMF) Interchange, an industry-standard file format for the seamless integration of digital data among applications and across platforms. Through OMF, you can import video and audio files from other OMF-compatible applications such as Avid's Media Composer system.

Output to Tape, CD-ROM or Over a Network: Real Impact gives complete control over how you distribute video. There's no long rendering process—creating professional quality tape is a snap. Embedding video in multimedia presentations for distribution on disk or CD-ROM is as simple as the click of a mouse. Support for third-party MPEG tools make it possible to create MPEG files for network distribution.

Avid's Support Advantage: Like all other Avid products, Real Impact is backed by Avid's world-class customer service. Toll-free telephone support and bulletin board service are just some of the benefits.

Real Impact Features:

- Video:**
 - Real-time JPEG compression, decompression and playback at 60 fields per second.
 - Supports Sony serial and VLAN deck control protocols, supports SMPTE time code.
 - Edit two tracks of video for layered effects.
- Audio:**
 - Edit up to four tracks of 44.1 KHz, 16-bit CD-quality audio.
 - Real-time pan and volume adjustments, digital audio scrub.
 - Audio waveform for precise audio editing.
- Digital Editing:**
 - Instant random access to footage. Cut, copy, paste editing with 32 levels of undo and redo.
 - Instant trim editing mode, plays back all edits instantly.
- Import/Export:**
 - AVI video files, WAV audio files, FLC animation files.
 - OMF interchange files.
 - BMP, JPEG, PCX, TGA and TIFF graphics files.

- Special Effects:**
 - Filter effects with previews and adjustable parameters.
 - Transition effects include wipes, dissolves, zooms, pushes and squeezes.
 - Layered effects include picture-in-picture, luminance and chroma key.
 - Support to Avid Translucency effects Vol. 2 or later (Vol. 1 requires a free update through Avid Technical Support).
- Integrated Title Generator:**
 - Fully anti-aliased titles.
 - 32-bit processing (24-bit color and 8-bit alpha channel).
 - Support for TrueType fonts and international character sets.
 - Drop shadows, transparency and color blends.
 - NTSC and PAL-safe color palettes.
- Media Management:**
 - Media library for organizing digital media clips.
 - Database with search capabilities.
 - Customized views for easy clip access and retrieval.



MM-400

- The MM-400 is a combination waveform and vector monitor especially configured for the cost-conscious producer. A low-cost alternative to CRT-based waveform monitoring the MM-400 produces a video picture of the input signal's waveform and displays it on any video monitor. It provides a simple, affordable and accurate way to set camera levels before a shoot, or to check time base correctors and color fidelity in editing. Problems like hue shift, smearing, muddy contrast and loss of detail are easily identified for correction.

FEATURES:

- Converts waveform or vector display information into a standard video signal which can be displayed on a video monitor or routed around a video facility, no need for additional expensive monitors. Switch between pictures and waveforms at the push of a button.
- Incorporates an advanced SC/H phase and color frame indicator that is a must for editing and post production. At a glance it tells you if a signal's subcarrier-to-horizontal phase is properly adjusted and if the signal's color frame matches the house black burst connected to the MM-400 external reference input.
- Works anywhere and with any analog video format—NTSC, PAL, Component or S-Video. It has automatic detection between NTSC and PAL formats.
- Three loop-through inputs can accept three composite signals or one component, or RGB signal.
- No complex displays or special test signals are required for component video monitoring.
- Interchannel timing and amplitude display make component analog monitoring easy, has color bar limit markings for Betacam, M-II and SMPTE formats.
- Waveform and vectorscope controls, including channel, sweep speed, position control, phase rotation are on easy-to-see dedicated pushbuttons.
- Besides instant toggling between picture and waveform, a mix mode combines waveform and picture displays for simultaneous viewing.
- The MM-400 can be readily used by even novice operators. It has easy-to-understand set-up menus for display color, interchannel timing, SC/H phase alarm.
- Usable in any video facility of any size for displaying signals, its low cost makes it affordable by the smallest studio, while its features and performance make it ideal for monitoring in high-end facilities as well.

LEADER Model 5850C

Vectorscope

An ideal companion for the 5860C Waveform Monitor, the 5850C adds simultaneous side-by-side waveform and vector monitoring. Features an electronically-generated vector scale that replaces the need for fussy centering adjustments and eases phase adjustments from relatively long viewing distances. Provision is made for selecting the phase reference from either (A or B) inputs or a separate external timing reference.

Model 5860C Waveform Monitor

A two-input waveform monitor, the 5860C features 1H, 1V, 2H, 2V, 1 u/s/div and 2V MAG time bases as well as vertical amplifier response choices of flat, IRE (low pass), chroma and Off-STEP. The latter facilitates easy checks of luminance linearity using the staircase signal. A PIX MON output jack feeds observed (A or B) signals to a picture monitor, and the unit accepts an external sync reference. Built-in calibrator and on-off control of the DC restorer is also provided.

Model 5864A Waveform Monitor



A fully portable waveform monitor for field use, the Model 5864A is a two-channel unit that provides 2H and 2V sweeps with MAG, FLAT and IRE response, and normal and X4 gain.

Model 5854 Vectorscope

2-channel portable vectorscope is ideal for field use and features A and B phase reference, fixed and variable gain. Both units shown with optional battery holder and NP-1 type battery.

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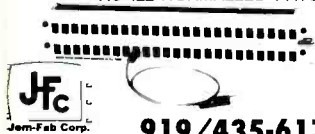
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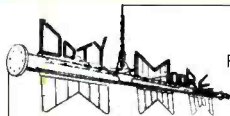
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