

Smart Quad

NEW



Ref. SQD200

Hi-Resolution Seamless Switcher with QuadraVision mode for Command and Control Centers, Videoconferencing, Medical Facilities, Courtrooms and Boardrooms



Special Features



Inputs



Outputs



Features



SQD200 at a glance

- > 11 inputs including 2 x DVI-I and 2 SD/HD-SDI
- > Display of 4 computer or video sources on the main output
- > 12 different pre-programmed templates can be configured
- > Numerous effects and seamless transitions
- > A Video Output (SD or HD-TV formats) is included

11 Inputs

- 2 DVI Inputs
- 7 Universal Analog Inputs
- 2 SD/HD-SDI Inputs, or 3G-SDI
- SDTV, EDTV, HDTV and Computer formats up to 2K
- Full digital In/Out Processing

Outputs

- 2 Analog and Digital Outputs: Main & Preview
- Computer Formats up to 2K
- RGBHV and DVI

Operation Modes & Effects

- 2 Operation Mode : QuadraVision & Mixer
- 4 PIPs on a Frame Background
- 7 Full Frames, 7 Logo Memories
- PIP: Pan & Zoom resizing up to 1000%
- PIP Open/Close Animation
- Transitions: Fade (Dissolve), Cut, Wipe, Slide
- Dynamic Fit: Automatic adjustment of the PIP to fit the image borders
- Smooth Move effect
- Chroma/Luma Key/DSK Title
- DSK on Analog & Digital Inputs

Reference

> Smart Quad: Ref. SQD200

To Control SQD200

- > Remote Control Software (RCS): SQD200 (Supplied)
- > ARC200: Axion2
- > ORC50: Orchestra
- > TRK-800: Triple Remote Keypad TRK-800
- > RK-300: Remote Keypad RK-300

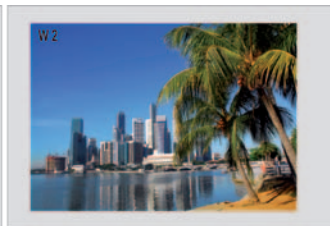


ANALOG WAY®

Working with Templates



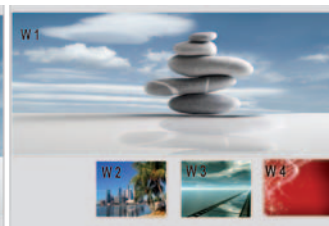
Win1 Full Screen



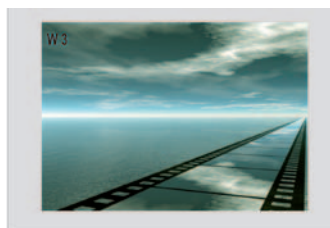
Win2 Full Screen



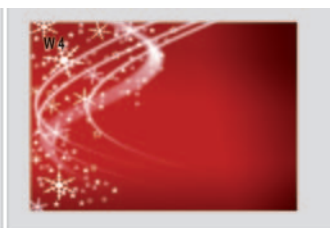
3 x Left + 1 Right



1 x Top + 3 x Bottom



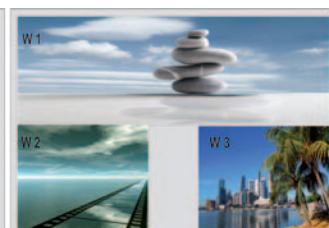
Win3 Full Screen



Win4 Full Screen



Split 3V



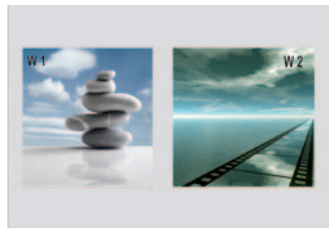
Split 3H



Split Screen



1 x Left + 3 x Right



Split 2H



Split 2V

Technical Specifications

7 Universal Inputs - Analog Inputs (All inputs #1 to #7)

SD-TV:

- Composite, S.Video, YUV, RGsB or RGBS
- NTSC: 15.735kHz/60Hz
- PAL/SECAM: 15.625kHz/50Hz

ED/HD-TV:

- RGsB, RGBS or YUV
- 480p/60 Hz – 576p/50 Hz - 720p, 1080i, 1035i/50 or 60Hz – 1080p/24, 25, 30, 50 or 60 Hz – 1080pF/24, 25 or 30 Hz

Computer:

- RGBHV, RGBS or RGsB
- Resolution up to 1600x1200/60 Hz, 1920x1200/60 Hz or 2048x1080/60 Hz
- Horizontal frequency from 31.5 to 130 kHz
- Vertical frequency up to 130 Hz
- FpxMax = 165MHz

4 Digital Inputs (DVI-I 1, DVI-I 2, SDI1 and SDI2)

- DVI-I: SD-TV, ED-TV, HD-TV and Computer formats
- SDI: SD-TV & HD-TV – YUV/10bits/4:2:2, or 3G-SDI
- Automatic synchronization detection

Main and Preview Outputs

Computer Digital and Analog:

- RGBHV, RGBS or RGsB and DVI
- Resolution up to 1600x1200/60 Hz, 1920x1200/60 Hz or 2048x1080/60 Hz
- Vertical frequency 50, 60, 72 or 75 Hz depending on Output format
- FpxMax = 165MHz

HD-TV:

- RGsB, RGBS or YUV, DVI
- 720p, 1080i, 1035i/50 or 60Hz - 1080p/24, 25, 30, 50 or 60Hz - 1080pF/24, 25 or 30Hz

Operation Standards

SMPTE 259M, SMPTE 274M, SMPTE 292M, SMPTE 296M and SMPTE 424M

Audio Stereo In/Out

- Input:
 - 9 Audio stereo inputs + 1 Auxiliary + 2 from embedded SDI
 - AUX and input #7 Balanced
 - Vi = +15dB
 - Zi = 20 kOhms (Unbalanced)/40 kOhms (Balanced)
 - Adjustable Level per input
- Outputs:
 - 2 independent outputs
 - Balanced/Unbalanced
 - Vo = +15 dBu/300 Ohms (Unbalanced)
 - Vo = +21 dBu/600 Ohms (Balanced)

User Controls - Front Panel

- Standby On/Off
- Analog and Digital inputs direct access
- Effect and function control selection (Logo, freeze, preset...)
- W1 to W4 Layer selection for Quadvision mode
- Large Graphic VFD screen with control knobs and buttons for easy and fast access to menus and adjustments

Connectors - Rear Panel

- Input #1 to #5 Connectors:
 - HD15-F: (Analog SD/ED/HD-TV and Computer)
- Input #6 to #7 and DVI-I 1 to DVI-I 2 Connectors:
 - DVI-I Female: (Analog SD/ED/HD-TV and Computer)
- Input SD/HD-SDI
 - SDI 1 & SDI 2: BNC-F
- Audio:
 - 3.5mm Stereo jack: inputs #1 to #4
 - 10 pins MCO connectors: 2 for Inputs and 1 for Outputs
- DB9: Dual RS232 for remote control
- RJ45: Ethernet connection
- AC main connector with On/Off switch

Main and Preview Output Connectors

- Each output is fitted with:
 - DVI-I Female: (Digital and Analog) RGB or YUV
 - HD15 Female: RGB or YUV

Video Out

- DB9-F: NTSC/PAL, S. Video, SD/HD-RGB/YUV
- BNC-F: SD/HD-SDI (With Audio Embedded)
- HD Formats: 720p@50/59.95 & 60Hz - 1035i@59.94@60Hz - 1080i@50/59.94@60Hz - 1080p@23.97/24/25/29.97/30/50 & 60Hz - 1080pF@25 or 30Hz

Dimensions: 2U, 19"

- D 13" x W 19" x H 3.15"
- D 330 mm x W 480 mm x H 80 mm

Weight:

- 5kg/11lbs

Power Supply

- Internal, universal, automatic, 100-240 V; 50/60Hz; 140 W (UL, CSA, GS, CE)

Supplied with

- 1 x Power supply cord
- 2 x DVI-I male to HD15 Female and DVI-D female breakout cable
- 1 x HD15 to 5 BNC cable
- 1 x Ethernet cross cable (for device update)
- 1 x DB9 to 4 BNC cable + mini-Din 4
- 1 x Set of 3 audio 5-pin screw terminals
- 1 x Remote Control Software (RCS) (PC Only)*
- 1 x User Manual*
- 1 x Quick Start Guide*

Warranty

3-year warranty on parts and labor back to factory

Specifications subject to change without prior notice



* All RCS, User Manuals and Quick Start Guides are available on www.analogway.com