

VC39A

NEW

HDTV Standards Converter



General

The VC39A HDTV Standards Converter uses **motion vectors compensated technology** to convert scanning lines, fields and pixels to make different frame to HDTV cross conversion. In addition, Dolby-E is available to ready.

Features

- ◇ HDTV cross conversion: 720p/50, 720p/59.94, 1080i/50, 1080i/59.94
- ◇ Motion vectors compensation technology
- ◇ Scene cut detection
- ◇ Image enhancer process control
 - Horizontal and vertical contour correction for the luminance signal (Y) and the chrominance signal (Pb, Pr) can be adjusted individually
- ◇ Dolby-E (option, VC39A0001)
 - It is available for Dolby-E with encode and decode through the system compensated
- ◇ Embedded audio 16 ch / 48 kHz, 24 bit
- ◇ AES/EBU audio 8 ch / 48 kHz
 - Those can be changed between Embedded and AES/EBU from input and output
- ◇ Compact system 1U main frame (19 inch rack)

Specifications

- | | |
|--|------------------------------|
| ◇ Input signals | External sync signals |
| HDTV SDI signal 2 x BNC (active through) | BB (Black Burst signal) |
| Conforms to SMPTE 292M | 286 mVp-p +/-6 dB, 75 ohm |
| Embedded audio signal | Tri-level sync signal |
| 24 bits, 48 kHz, 16 channels | 300 mVp-p +/-6 dB, 75 ohm |
| Conforms to SMPTE 299M | ◇ Output signals |
| AES/EBU audio signal | HDTV SDI signal 2 x BNC |
| 4 x BNC | Conforms to SMPTE 292M |
| 500 mVp-p +/-20%, 75 ohm | Embedded audio signal |
| 24 bits, 48kHz, 8 channels | 24 bits, 48 kHz, 16 channels |
| | Conforms to SMPTE 299M |

AES/EBU audio signal		◇ General specifications	Operating temperature	
4 x BNC			5 to 35 degree C	
500 mVp-p +/-20%, 75 ohm			Relative humidity	
24 bits, 48 kHz, 8 channels			5 to 90%RH (non-dewung)	
SDI jitter characteristics		Power supply		AC 90 to 250 V, 50/60 Hz
HPF 100 kHz		Power consumption		150 VA or less
135 ps or less (0.2UI or less)		Dimensions		426(W) x 520(D) x 44(H) mm
◇ Option	Dolby-E unit		Weight	
	VC39A0001		Approx. 6 kg	

Conversion Features

IN \ OUT	1920x1080 /59.94i	1920x1080 /50i	1280x720 /59.94p	1280x720 /50p
1920x1080 /59.94i	A	A	A	A
1920x1080 /50i	A	A	A	A
1280x720 /59.94p	A	A	A	A
1280x720 /50p	A	A	A	A

A: Available



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