

VC39

HDTV Standards Converter

NEW



■ General

The VC39 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 converter : 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)

It is available for Dolby - E with encode and decode through the system compensated.

- ◇ Embedded audio 16ch / 48kHz, 24bit.
- ◇ AES/EBU audio 8 Ch / 48kHz

Those can be changed between Embedded and AES/EBU from input and output.

- ◇ Compact System 1 U (19 inch rack)

■ Specifications

- ◇ Input signals
 - HDTV SDI signal 2 x BNC (active through)
Conforms to SMPTE 292M
 - Embedded audio signal 24 bits, 48 kHz, 16 channels
Conforms to SMPTE 299M
 - AES/EBU audio signal 4 x BNC
500 mVp-p +/-20%, 75 ohm
48kHz, 8 channels
 - External sync signals BB (Black Burst signal)
286 mVp-p +/-6 dB or less, 75 ohm
 - Tri-level sync signal 300 mVp-p +/-6 dB or less, 75 ohm
- ◇ Output signals
 - HDTV SDI signal 2 x BNC
Conforms to SMPTE 292M
 - Embedded audio signal 48 kHz, 16 channels
- AES/EBU audio signal
 - 4 x BNC
 - 500 mVp-p +/-20%, 75 ohm
 - 48 kHz, 8 channels
- SDI jitter characteristics
 - HPF 100 kHz
 - 135 ps or less (0.2UI or less)
- ◇ General specifications
 - Operating temperature 10 to 35 degree C, 10 to 90%RH (non-dewling)
 - Power supply AC 85 to 265 V, 50/60 Hz
 - Power consumption 80 VA or less
 - Dimensions 426(W) x 510(D) x 44(H) mm
 - Weight Approx. 4.8 kg

Conversion Features

Input \ Output	1080i/59.94	1080i/50	720p/59.94	720p/50
1080i/59.94	NA	A	A	A
1080i/50	A	NA	A	A
720p/59.94	A	A	NA	A
720p/50	A	A	A	NA

A: Available

NA: Not available

