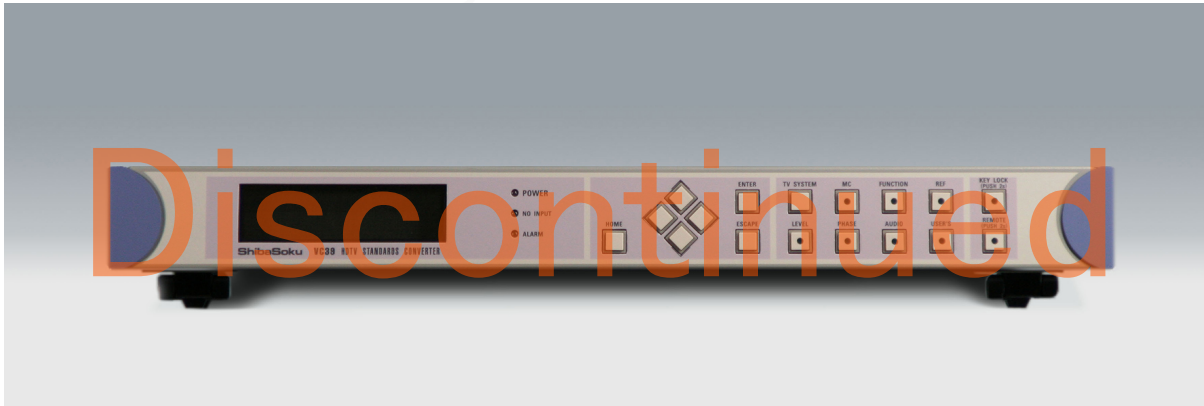


# VC39A

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

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

Discontinued

**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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