SCALING CONVERTERS

3G-SDI, HDMI, CVBS
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The Scaling Converter Series of products includes these “Swiss Army Knife” converters, an all-in-one solution to your SDI and HDMI needs. Supporting conversion from SDI to HDMI (SHCSA-2) or HDMI to SDI (HSCSA-2) as well as Scaling, Audio, and Color Space options, these unique tools also feature Video Frame Rate Conversion and Up / Down Scaling Options. AES/EBU and Analog Audio can be embedded into the workflow or de-embedded for external monitoring. Multiple video output options enable confidence monitoring of the workflow.

The settings can be changed by manual dip switches as well as a USB interface. Up to four custom settings can be configured with the software and are accessible via either interface. Diagnostic data overlay can be enabled to monitor video information.
3G-SDI to HDMI CONVERTER
USB Software Controls and DIP Switch Controls

Model: SHCSA-2
3G-SDI IN, HDMI and CVBS OUT
AES/EBU and ANALOG AUDIO
EMBEDDING and DE-EMBEDDING

Technical Specifications

Input Video Formats SDI:
- 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1920x1080i 50, 59.94, 60
- 1280x720p 50, 59.94, 60
- 576i
- 480i

Output Video Formats HDMI:
- 1920x1080p 24, 25, 30, 50, 60
- 1920x1080i 50, 59.94, 60
- 1280x720p 50, 59.94, 60
- 625i 50
- 525i 60

Output Video Formats AV:
- NTSC, PAL

HDMI Color Space and Precision:
- SDI: YUV 4:2:2

Video Input:
- 3G-SDI, SMPTE 259/292/424, YCbCr 4:2:2
- Alternate 3G-SDI (Failover)

Video Output:
- HDMI 1.3a
- CVBS (Composite)
- 3G-SDI Loopout (Primary SDI Input Only)

Audio Input:
- Embedded SDI, Analog Stereo, AES/EBU

Audio Output:
- Embedded HDMI, Analog Stereo, AES/EBU

Size:
- 5”x2.4”x0.95” (125.5x104x24.5mm)  

Weight:
- 0.7lb (0.30kg)

Power:
- 12V 6W max

In the Box:
- Converter
- International Wall Power Supply
- Mounting Brackets
- USB and AV Breakout Cable

Warranty:
- 2 years
# Technical Specifications

## Input Video Formats HDMI:

- 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1920x1080i 50, 59.94, 60
- 1280x720p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 576i, 576p
- 480i, 480p

## Input Video Formats AV:

- NTSC, PAL

## Output Video Formats SDI:

- 1920x1080p 24, 25, 30, 50, 60
- 1920x1080i 50, 59.94, 60
- 1280x720p 24, 25, 30, 50, 60
- 625i
- 525i

## Color Space and Precision:

- SDI: YUV 4:2:2

## Video Input:

- HDMI 1.3a
- CVBS (Composite)

## Video Output:

- 3G-SDI x3

## Audio Input:

- Embedded HDMI, Analog Stereo, AES/EBU

## Audio Output:

- Embedded HDMI, Analog Stereo, AES/EBU

## Size:

- 5”x2.4”x0.95” (125.5x104x24.5mm)

## Weight:

- 0.7lb (0.30kg)

## Power:

- 12V 6W max

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