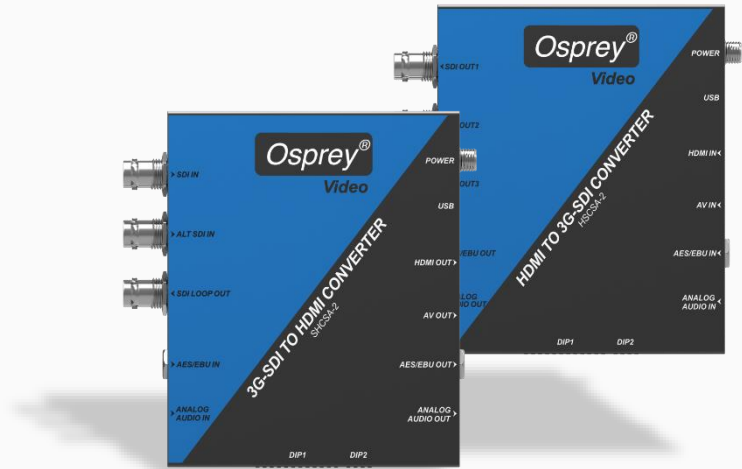


SCALING CONVERTERS

3G-SDI, HDMI, CVBS SCALING CONVERTERS



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.



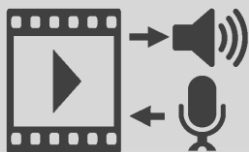
SCALING



FRAME RATE CONVERSION



INTERLACING
AND
DE-INTERLACING



AUDIO FEATURES



USB CONTROLS



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:

- HDMI: YUV 4:2:2, YUV 4:4:4, RGB 4:4:4
- SDI: YUV 4:2:2



SDI In Alt SDI In SDI Loop Out AES/EBU In Analog Audio In



Analog Audio Out AES/EBU Out AV Out HDMI Out USB Power

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



HDMI to 3G-SDI CONVERTER

USB Software Controls and DIP Switch Controls

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



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:

- HDMI: YUV 4:2:2, YUV 4:4:4, RGB 4:4:4
- 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:

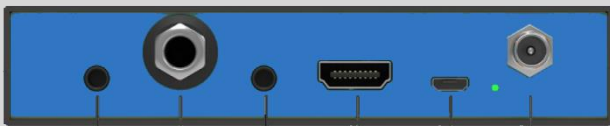
- 12V 6W max

In the Box:

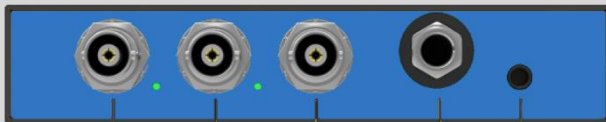
- Converter
- International Wall Power Supply
- Mounting Brackets
- USB and AV Breakout Cable

Warranty:

- 2 years



Analog Audio In AES/EBU In AV In HDMI In USB Power



SDI Out 1 SDI Out 2 SDI Out 3 AES/EBU Out Analog Audio Out