



Seneca-C SHS

SDI to HDMI converter box

The Seneca-C SHS allows users to convert signal sources from 3G/HD/SD-SDI/CVBS to HDMI/DVI. A compact, stand-alone converter with scaler, the SHS is ideal for production, mobile trucks, post-production, and television broadcast. It provides automatic video input format detection and OSD that includes audio metering, video source labels, and video safe area graticule.

FEATURES

- Automatic sensing of 3G/HD/SD-SDI/CVBS input signals
- SDI loop output
- Supports SDI formats (SMPTE 424M, 292M, 259M), 1080p at 50/59.94/60 Hz (4:2:2 and 4:4:4)
- Supported SD formats include NTSC at 59.94 Hz and PAL at 50 Hz
- Audio monitoring via stereo phono jack with audio delay
- Video controls include adjustable safe area, crop/pan, and aspect ratio
- Support for RGB, 8/10 bits output format
- Automatic output monitor detection
- LCD module for configuration and control
- Proprietary colorspace conversion compensation (use with Seneca-C HSS only)
- HDMI 1.3 compliant

Features	Availability
3G/HD/SD-SDI/CVBS inputs	Yes
DVI-D output	Yes
HDMI output	Yes
3G/HD/SD-SDI loop out	Yes
Embedded audio	Yes
Stereo phono jack audio output	Yes
LCD module control	Yes
Max. output resolution	1920 x 1200
Phoenix-G GUI over Ethernet	Yes
Avitech ASCII protocol support	Yes

Specifications		
Side panel A	Input	1 x RJ-45 (Ethernet)
	Output	1 x HDMI 1 x DVI-D
	Max. resolution	1920 x 1200 (WUXGA) at 50/60 Hz, 1600 x 1200 (UXGA) at 75 Hz
Side panel B	Input	1 x BNC (automatic sensing of signals) SD-SDI: SD_525 60 Hz / SD_625 50 Hz HD-SDI: 720p 50/59.94/60 Hz, 1080i 50/59.94/60 Hz 3G-SDI: 1080p 23.98/24fs/25/29.97/30/ 50/59.94/60 Hz CVBS: NTSC/PAL
	Output	1 x BNC (SDI loop out) 1 x mini phono jack (analog stereo audio)
Power supply		100-250V AC / 12V DC adapter
Power consumption		Max. 25W
Dimensions (L x W x H)		121 x 174 x 28 mm (4.8 x 6.9 x 1.1 in)
Weight		432 g (1.0 lb)
Safety regulations		FCC, CE, C-Tick, Class B
Temperature	Operation	0°C (32°F) to 40°C (104°F)
	Storage	-10°C (-4°F) to 50°C (122°F)
Humidity		0% to 80% relative, non-condensing

Video and Audio Control

- Automatic or manual adjustment of image or gain
- HDMI audio output with audio delay
- Supports SDI embedded audio
- Image cropping and panning

On-Screen Display

- Alarm detection:
 - Video loss
 - Audio too high/low
 - Audio phase
- Labels and meters
- Supports Active Format Description (AFD) with safe area and aspect ratios 4:3 and 16:9

Resolution

- Input: automatic sensing
- Output: customer configurable
 - Automatic monitor detection
 - Manual:
 - 1920 x 1200 (WUXGA) at 50/60 Hz
 - 1600 x 1200 (UXGA) at 75 Hz

Accessories

- Four magnetic foot stands
- 12V DC power adapter



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