



# Pacific C-HSS

The Pacific C-HSS converts a wide variety of source signals from HDMI/DVI/VGA/YPbPr/3G/HD/SD-SDI/CVBS to 3G/HD/SD-SDI. It automatically detects video input formats and supports extensive range of user-configurable output resolutions and timings. With scaling, area-of-interest cropping, as well as flexible audio embedding and genlock capabilities, the compact Pacific C-HSS ensures compatibility with other Avitech products while providing full integration within a larger installation.

## FEATURE AVAILABILITY

<b>INPUT</b>	SDI (3G/HD/SD) / CVBS (NTSC/PAL)	✓
	DVI-I (VGA/YPbPr via Adapter)	✓
	HDMI	✓
<b>OUTPUT</b>	SDI (3G/HD/SD)	✓
	DVI-D Loop-out	✓
Level A/Level B Mapping Format Support		✓
Analog (Line-in) Audio Input		✓
HDMI/SDI Embedded Audio Input		✓
SDI Embedded Audio Output		✓
Genlock		✓
Max. Output Resolution		1080p
Configuration and Control Interface		Ethernet
LCD Panel Settings and Configuration		✓
Avitech ASCII Protocol Support		✓
Avitech ScreenCrop Utility Support		✓
Avitech PacificConfig Utility Support		✓
Avitech Phoenix-G Software Support		✓

## FEATURES

- Automatic sensing of HDMI/DVI/VGA/YPbPr/CVBS and 3G/HD/SD-SDI input signals
- Outputs support SDI formats (SMPTE 424M, 292M, 259M) at 1080p @50/59.94/60 Hz (4:2:2 and 4:4:4)
- DVI-D loop output for local confirmation monitoring
- Analog stereo audio can be embedded into SDI outputs with delay adjustment
- Outputs follow standard SMPTE and VESA timings
- Support genlock with timing offset control
- Area-of-interest cropping and panning by drag-and-drop on the GUI
- Support instant switching between two target contents for conversion
- Proprietary colorspace conversion compensation (use with Pacific C-SHS only)
- HDMI® and HDCP compliant

## VIDEO & AUDIO CONTROL

- Picture-in-Picture (PiP) overlay display
- Image Gain: automatic or manual adjustment
- Image cropping and panning
- Aspect ratio control
- Video loss detection (display color bars when no video is detected)
- Support HDMI/SDI embedded or analog audio line-in

### → Audio Output

- SDI embedded audio
- Audio breakaway switching
- Adjustable audio delay (0 - 170 ms)

## ON-SCREEN DISPLAYS

- HDCP alarm
- **Embedded Test Pattern**
  - Color bars
  - 2 x 2 crosshatch
- Configurable background color

## ACCESSORIES

- Four magnetic foot stands
- 12V DC power adapter

## SPECIFICATIONS

<b>SIDE PANEL A</b>	Input	1 × RJ-45 (Ethernet)
		1 × BNC (for genlock reference sync)
	Output	1 × BNC
		—in complying with HDCP license no SDI conversion with HDCP video
<b>3G-SDI</b>		1080p @50/59.94/60 Hz
<b>HD-SDI</b>		720p @23.98/24/25/29.97/30/50/59.94/60 Hz 1080p @23.98/24/25/29.97/30 Hz 1080i @PsF23.98/PsF24/50/59.94/60 Hz
<b>SD-SDI</b>	487i @59.94 Hz	
	576i @50 Hz	
<b>SIDE PANEL B</b>	Input	1 × Stereo Phono Jack (analog audio line-in)
		1 × HDMI (video/audio)
		1 × DVI-I
		Automatic sensing of input signals (resolution up to 1920 x 1200)
	1 × BNC	
	Automatic sensing of SDI (3G/HD/SD) / CVBS (NTSC/PAL)	
	<b>3G-SDI</b>	1080p @50/59.94/60 Hz
<b>HD-SDI</b>	720p @50/59.94/60 Hz	
	1080p @23.97/PsF24/25/29.97/30 Hz	
	1080i @50/59.94/60 Hz	
<b>SD-SDI</b>	525i @60 Hz	
	625i @50 Hz	
<b>CVBS</b>	NTSC/PAL	
Output	1 × DVI-D (loop-out)	
	Looping output of the DVI-I input (DVI signal only)	
<b>POWER REQUIREMENTS</b>		100–250V AC / 12V DC Adapter / Max. 15 Watt
<b>DIMENSION (L×W×H)</b>		5.60 x 7.10 x 1.10 inch (14.10 x 18.10 x 2.80 cm)
<b>WEIGHT</b>		1.10 lbs (0.5 Kg)
<b>TEMPERATURE</b>	Operation	0 °C (32 °F) to 40 °C (104 °F)
	Storage	-10 °C (14 °F) to 50 °C (122 °F)
<b>HUMIDITY</b>		0 % to 80 % relative, non-condensing
<b>SAFETY REGULATIONS</b>		FCC, CE, C-Tick, Class B

Specifications and data are subject to change without notice.

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Pacific C-HSS  
Side Panel A



Pacific C-HSS  
Side Panel B



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