



Pacific C-A

The Pacific C-A is an all-in-one video converter with scaler. Automatically detecting input formats, it enables signal conversion from HDMI/DVI/VGA/YPbPr and 3G/HD/SD-SDI/CVBS to user-configurable HDMI/DVI/VGA/YPbPr/3G/HD/SD-SDI at various resolutions.

A compact, stand-alone converter, the Pacific C-A can be widely integrated into studio, broadcast and production operations. It supports image fine-tune, PiP display, and flexible audio breakaway switching all fully configurable via its front LCD panel. Featuring area-of-interest cropping, the Pacific C-A allows instant switching between two selected computer contents for conversion, ideally suited for conference and presentation environments.

FEATURE AVAILABILITY		
INPUT	SDI (3G/HD/SD) / CVBS (NTSC/PAL)	✓
	DVI-I (VGA/YPbPr via Adapter)	✓
	HDMI	✓
OUTPUT	SDI (3G/HD/SD)	✓
	DVI-I (VGA/YPbPr via Adapter)	✓
	HDMI	✓
	DVI-D Loop-out	✓
Level A/Level B Mapping Format Support		✓
Analog (Line-in) Audio Input		✓
HDMI/SDI Embedded Audio Input		✓
Analog Audio Output via Phono Jack		✓
HDMI/SDI Embedded Audio Output		✓
Genlock*		✓
Max. Output Resolution		2048 × 1080
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		✓

*The optional genlock capability is only available with the Pacific C-AG model

FEATURES
→ Automatic sensing of HDMI/DVI/VGA/YPbPr/CVBS and 3G/HD/SD-SDI input signals
→ Output formats support HDMI, DVI-I and SDI (SMPTE 424M, 292M, 259M)
→ DVI-D loop output for local confirmation monitoring
→ Max. output resolution up to 2048 x 1080 (2K)
• 12-bit color depth
• Color space supports RGB444 or XYZ444
→ Analog stereo audio can be embedded into HDMI/SDI output with delay adjustment
→ Outputs follow standard SMPTE and VESA timings
→ Genlock* support with timing offset
→ Area-of-interest cropping and panning by drag-and-drop on the GUI
→ Support instant switching between two target contents for conversion
→ 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**
HDMI/SDI embedded or stereo phono jack analog 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

- 12V DC power adapter
- Rack mount kit with power adapter tray
- YPbPr to DVI adapter
- VGA to DVI adapter

SPECIFICATIONS

INPUT	
1 x RJ-45 (Ethernet)	
1 x Stereo Phono Jack (analog audio line-in)	
1 x BNC (for genlock reference sync) — optional	
1 x BNC Automatic input signal sensing of SDI (3G/HD/SD) / CVBS (NTSC/PAL)	
3G-SDI	1080p @50/59.94/60 Hz
HD-SDI	1080p @23.98/PsF24/25/29.97/30 Hz 1080i @50/59.94/60Hz 720p @25/29.97/30/50/59.94/60Hz
SD-SDI	625i @50 Hz 525i @60 Hz
CVBS	NTSC/PAL
1 x HDMI (video/audio) Automatic sensing of input signals (resolution up to 1920 x 1200)	
1 x DVI-I Automatic sensing of input signals (resolution up to 1920 x 1200)	
OUTPUT	
1 x Stereo Phono Jack (stereo/headphone)	
1 x BNC — in complying with HDCP license no SDI conversion with HDCP video — Output refresh rates 23.98, 29.97, and 59.94 are only available with Pacific G-AG model	
3G-SDI	2048 x 1080 @23.98/24 Hz 1080p @50/59.94/60 Hz
HD-SDI	1080p @23.98/24/25/29.97/30 Hz 1080i @23.98/24/50/59.94/60 Hz 720p @23.98/24/25/29.97/30/50/59.94/60 Hz
SD-SDI	576i @50 Hz 487i @59.94 Hz
1 x HDMI (video/audio)	
1 x DVI-I	
Max. Resolution	1920 x 1200 (WUXGA) @50/60 Hz 1600 x 1200 (UXGA) @75 Hz
1 x DVI-D (loop-out) Looping output of the DVI-I input (DVI signal only)	
POWER REQUIREMENTS	
100–240V AC / 12V DC Adapter / Max. 15 Watt	
DIMENSION (L x W x H)	
6.85 x 6.77 x 1.69 inch (17.40 x 17.20 x 4.28 cm)	
WEIGHT	
1.63 lbs (0.74 Kg)	
SAFETY REGULATIONS	
FCC, CE, C-Tick, Class A	

Specifications and data are subject to change without notice.

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Phone: 425.885.3863 Toll Free: 1.877.AVITECH Fax: 425.885.4726 E-mail: sales@avitechvideo.com Website: www.avitechvideo.com

Address: 15377 NE 90th Street, Redmond, WA 98052, USA