Christie’s new Active to Passive 3D Converter (AP Converter) offers the flexibility to create a cost-effective passive stereo solution. The world’s first stereo 3D converter makes it possible to show real passive stereo 3D using standard LCD/LCOS projector technology.

The AP Converter converts an incoming stereo 3D signal to two passive stereo 3D output signals. The separated left-eye and right-eye information are routed to two projectors, such as lower-cost LCD projectors, then viewed through polarized 3D glasses for high quality 3D images.

For markets looking for an entry-level 3D solution, Christie’s AP Converter offers the ability to utilize 3D active stereo content and project it in an affordable passive 3D solution for applications that require passive stereo imaging.

Christie’s AP Converter makes 3D technology available to markets that have not been able to take advantage of 3D for their applications previously. And, the AP Converter can be retrofitted to existing systems, as the converter is based on the same active signal, making the technology even more flexible.

Featuring input resolution support from 640 x 480 (VGA) up to 1280 x 1024 (SXGA), the system is totally platform and software independent (SGI, SUN, HP, PC or any UNIX/Linux/Windows based system) – making passive stereo conversion from an active signal flexible to fit any application.

Through ease of use and significantly reduced costs, Christie’s AP Converter makes 3D a reality.

Recreate reality…with Christie.

**APPLICATIONS**

- Research and development
- Computer-aided design
- Education
- Design/prototyping
- Entertainment/theme parks

**PRODUCT FEATURES**

- Active stereo 3D input via standard VGA 15-pin connector
- Input resolution from 640 x 480 (VGA) up to 1280 x 1024 (SXGA)
- Supports separate sync, composite sync and sync-on-green signals
- 4 different stereo input formats (separate channels, above-and-below, line interleaved, frame or field sequential)
- Passive stereo outputs for left-eye and right-eye
- Passive stereo output in both analog RGB (via standard VGA 15-pin connector) and digital DVI-D (via DVI-D connectors) formats
- 24-bit digital processing
- Auto set-up feature
- Built-in link port to network multiple units
- Easy on-screen display menu
**FEATURES**

**Analog RGB Input**
- Input resolution support from 640 x 480 up to 1280 x 1024.
- Auto set-up feature and easy, on-screen display menu.
- Passive stereo output in both analog RGB and Digital DVI-D formats.

**Digital RGB Outputs**
- Input Dot (pixel) Clock Rate: 240 MHz
- Stereo Sync Input: Separate H and V, composite, sync-on-green
- 3-pin mini-DIN stereo sync input connector

**Analog RGB Outputs**
- Connectors: Passive stereo outputs for left-eye and right-eye in analog RGB formats via two 15-pin D-sub connectors
- Horizontal Frequency Range: 15-130 kHz
- Vertical Frequency Range: 60-120 Hz
- Scan Format: Progressive

**Input Dot (pixel) Clock Rate**
- 240 MHz

**Stereo Sync Input**
- Separate H and V, composite, sync-on-green
- 3-pin mini-DIN stereo sync input connector

**Horizontal Frequency Range**
- 15-130 kHz

**Vertical Frequency Range**
- Any vertical frequency within the limits of pixel clock

**Scan Format**
- Progressive

**Output Dot (pixel) Clock Rate**
- 120 MHz (per channel)

**Stereo Sync Output**
- Separate H and V
- 3-pin mini-DIN stereo sync output connector

**Additional Features**
- Installation mounting flexibility (upright or inverted orientation)
- Upgradable firmware
- Auto set-up
- Two built-in diagnostic LEDs
- Standby mode
- Factory setting mode
- Estimated MTBF: 100,000 hours

**Power Requirements – AP Converter Connector**
- 5.5/2.5mm diameter power jack
- Voltage Range: 12-24 VDC
- Power Consumption: 20W

**Power Requirements – External Power Adapter**
- Voltage Range (auto-switching): 100 – 240 VAC +/- 10%
- Line Frequency: 50 Hz – 60 Hz nominal
- Current Rating: 0.6A
- Current Rating of AC Input Connector: 2.5A

**Physical Specifications**
- Size: 8.27” L x 9.84” W x 2.75” H
- (210mm L x 250mm W x 70mm H)
- Weight: 3.2 lbs (1.43 kg)

**Environment**
- Operating Temperature: 0-50°C
- Humidity: 20% - 80% non-condensing

**Storage**
- Temperature: -20°C to +70°C
- Humidity: 0% - 90% non-condensing

**Accessories**
- 1 power transformer
- 1 110 VAC cord
- 1 220 VAC cord (European)
- 1 RGB computer cable (15-pin D-sub male/male)

**Specifications**
- Input resolution support from VGA 640 x 480 to SXGA 1280 x 1024.
- Auto set-up feature and easy, on-screen display menu.
- Passive stereo output in both analog RGB and Digital DVI-D formats.

**Due to constant research, specifications are subject to change without notice.**