

ACS-2048



As the ideal peripheral for all digital cinema installations, the ACS-2048 is an 8x1 switcher that accepts “universal” input formats, and outputs up to 12-bit twin DVI at 2048 x 1080 – the digital cinema standard. With a high-quality scaler at its core, upconverting any input format is as simple as “auto-acquiring” and selecting the desired input. However, disguised as a switcher, ACS-2048 is really a pathway to new revenue streams for your facility. By enabling “alternate” content to be displayed in the digital cinema resolution, your theater’s role as a presentation facility for events, businesses, conventions, town-hall meetings and so much more – becomes a reality.

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Technical specifications

Description

The Alternative Content Switcher (ACS-2048) is designed specifically for the Barco DP line of Digital Cinema Projectors, but can also be used with other 3rd party projectors. ACS-2048 converts a wide variety of input source types to a full screen 2048x1080 format at 12-bits per color. Output video is transferred to the projector via twin DVI connectors.

Features

Supports HD/SD SDI, DVI, Analog Computer and Video Inputs

All inputs support standard interlaced sources
12-bit internal processing/scaling

State-of-the-art 10-bit de-Interlacer with Diagonal Filter

Low Video Delay

Designed to support HDCP sources and HDCP compatible projectors

Twin Link DVI Output at 12 bits/color

Specifications

Inputs

1x SDDSI per SMPTE 259M-C (NTSC/PAL resolution) and HDSDI Input and per SMPTE 292M (HDTV)

2 x DVI-I Inputs per DDWG 1.0

- HDCP support

1 x Analog Input on HD-15 VGA connector

- Supports both YUV and RGBHV
- 10-bits/color sampling (1:1 sampling up to 1600x1200@60 Hz)

1x Analog Input on BNC Connectors (5)

- Supports both YUV and RGBHV
- 10-bits/color sampling (1:1 sampling up to 1600x1200@60 Hz)

1x Composite NTSC/PAL Video (CVBS) on a BNC connector

1x Encoded NTSC/PAL Y/C Video on 4-pin mini-DIN connector

1x Optional Input (factory-installed mezzanine)

Outputs

DVI Dual channel ("Twin-Link DVI") output on 2 DVI-I connectors

- 12-bit 4:4:4 RGB output
- User selectable for 8-bit output
- HDCP Encryption
- Non-encrypted DVI data until HDCP is supported in the Projector

Frame Rates: 50 Hz, 59.94 Hz

User Control

Front Panel Display

- 128x32 VFD Display
- Menu navigation via rotary encoder knob, Select/Escape buttons
- Input Source selection via 9 back-lit buttons
- Sync Present indication on Front Panel via switch backlight

Remote Control

- Fully controllable over IP

Mechanical

Width: 19" Rack

Height: 2RU

Input connectors are located on front panel

Output connectors are located on rear panel

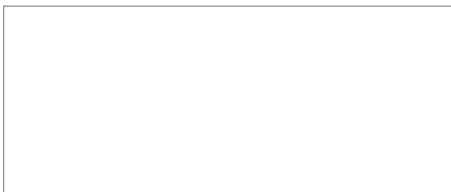
RJ45 connector is located on rear panel

Handles (also provide mechanical protection of the inputs)

Power

100-240 VAC - 50/60 Hz,

Autoselecting 1.0A max



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