



Pro AV/IT Integrator Series™ 2x1 HDMI 8K 60Hz 4:4:4 Auto Switcher with EDID Management, Audio Extraction

Versatile HDMI Switching

The Comprehensive CSW-2148GAE is a HDMI 2x1 switcher which allows you to switch any of the two (2) 8K HDMI source signals to a single 8K HDMI display. It supports video resolutions up to 8K@60Hz 4:4:4. The CSW-2148GAE 8K switcher includes a 4-pin DIP switch for advanced EDID management and supports digital and analog audio de-embedding (with analog audio output gain control). It can be controlled using front panel buttons, an IR remote. This versatile product is ideal for video conferences, demonstrations, multimedia teaching, and other scenarios requiring big-screen displays.

Auto & Manual Switching

The CSW-2148GAE offers both manual and automatic switching capabilities, ensuring a seamless experience when transitioning between the HDMI inputs, with the "First-In, Last-Out" rule, the switcher intelligently detects and prioritizes the most recently activated input, eliminating the need for manual intervention during the switching process.

Advanced EDID Management

The CSW-2148GAE offers advanced EDID management with up to fifteen (15) modes, once set, your video source device will identify the display's capabilities, providing optimal image quality adjustments. EDID enables your laptop to automatically detect and configure the best settings for connected displays, reducing the need for manual adjustments and avoiding incorrect image display. This ensures your displays operate at their full potential.

A Must Have Device for Every AV Space

The Comprehensive CSW-2148GAE is perfectly suited for a wide range of environments, including courtrooms, classrooms, casinos, sports bars, supermarkets, shopping malls, churches, data control centers, conference rooms, education/training facilities, luxury homes, home theaters, and any other location requiring a solution for video switching between two (2) HDMI sources to a single display.

Simplified Control at Your Fingertips

Controlling the Comprehensive CSW-2148GAE is a breeze, thanks to its versatile range of control methods. You can easily manage the device using the push buttons located on the front panel, the IR remote control. With these flexible control options, you have the freedom to conveniently switch two (2) HDMI sources to your display according to your specific preferences.

Peace of Mind in Every Connection and Quality You Can Count On

Since 1974, Comprehensive has been a trusted manufacturer of top-notch commercial-grade solutions for AV and IT professionals. This product upholds that longstanding tradition with its use of premium materials, components, and rigorous quality control measures, guaranteeing years of reliable and hassle-free usage. Additionally, all components are supported by Comprehensive's 3 Year Warranty, providing you with the confidence that this product will continue to perform flawlessly for many years ahead.



SWITCHERS

Features

- Video resolutions up to 8K 60 4:4:4 or 4K 120Hz
- HDCP 2.3/2.2/1.4 compliant
- HDR, HDR10, HDR10+, Dolby Vision, ALLM/VRR pass-through
- HDMI audio formats pass-through: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Digital and analog audio de-embedding (analog audio output with gain control)
- Supports Consumer Electronics Control (CEC) function
- Auto or manual switching mode
- Advanced EDID management
- Control via front panel buttons, IR remote
- Compact design for easy and flexible installation
- 3 Year Warranty

CSW-2148GAE



Pro AV/IT Integrator Series™ 2x1 HDMI 8K 60Hz 4:4:4 Auto Switcher with EDID Management, Audio Extraction

What is this product used for? (primary use):

- HDMI Switching between 2 HDMI sources to 1 display.
- Automatic HDMI Switching: Allows HDMI switching from various sources without manual intervention.
- Extract Audio signal off any HDMI source to digital optical or analog stereo L/R audio out.

Specifications

I/O Connections

- Switcher
- Inputs:
 - 2x HDMI input [Type A, 19-pin female]
- Outputs:
 - 1x HDMI OUT [Type A, 19-pin female]
 - 1x OPTICAL AUDIO OUT [S/PDIF, female]
 - 1x L/R AUDIO OUT [5pin-3.5mm Phoenix connector]

Technical

- HDMI Compliance: HDMI 2.1
- HDCP Compliance: HDCP 2.3 / 2.2 / 1.4
- Video Bandwidth: 48Gbps (12Gbps/1200MHz per channel)
- HDMI Input Resolution: Up to 8K@60Hz 4:4:4, 4K @120Hz and 1080p @240Hz
- HDMI Output Resolution: Up to 8K@60Hz 4:4:4, 4K @120Hz and 1080p @240Hz
- Color Space: RGB, YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0
- Color Depth: 8/10/12-bit
- HDR: HDR10, HDR10+, Dolby Vision, HLG
- Audio Formats: HDMI input/output: LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Audio de-embedding output:
- Optical: Up to LPCM/Dolby/DTS 5.1CH
- Analog: Only LPCM 2CH
- Audio Latency: No Latency
- Video Latency: No Latency

Power & Regulatory

- Power Input
- Input: AC 100 - 240V 50/60Hz
- Output: DC 5V/1A
- Power Consumption: 5W (Max)
- ESD Protection: IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
- Regulatory: (US/EU standard, CE/FCC/UL certified)
- Prop 65 Compliant: No

Chassis and Environmental

- Construction: Metal Enclosure
- Color: Black
- Dimensions: 90*44*14mm
- Operating Temperature: 0°C – 70°C
- Operating Humidity: 5 - 90% RH (no condensation)
- Storage Temperature: -20°C ~ 60°C / -4°F ~ 140°F
- Weight: 2lbs

Package Contents

- 1x CSW-2148GAE (2x1 HDMI 8K Switcher)
- 1x IR Remote
- 1x 5V/1A Locking Power Supply
- 1x User Manual

Warranty

- 3 years

SWITCHERS

CSW-2148GAE