



Pro AV/IT Integrator Series™ 5x2 Seamless Presentation Switcher with Multi-Viewer & HDBT Extension up to 230ft

Extend 4K HDMI, USB-C, DP, Audio, RS232 and IR over a Single UTP Cable up to 230ft

Comprehensive's CSW-PS512MV is a 5x2 Seamless Presentation Switcher that is equipped with 3x HDMI, 1x DP and 1x USB-C (video only) inputs, 1x HDMI and 1x HDBaseT mirrored outputs with PIP/PAP/Tri/Quad-view Multi-view functionality. It supports single screen seamless switching with no freezing, black or snow screen. One 3.5mm audio de-embedding jacket can output analogue stereo audio. The switcher can be controlled by front buttons or RS232 commands.

The USB-C input provides an ideal AV interface for connecting modern day devices such as Apple® Notebooks and Windows® PCs as well as smartphones and tablets. It supports video resolutions up to 4K@60Hz 4:4:4. The transmitter is remotely powered by the receiver or other HDBaseT-equipped devices via PoC that can be extended up to 230ft over Cat5e/Cat6.



Supports 4K HD Video up to 4K@60Hz (4:4:4) 18G

This versatile Multi-Input 5x2 Seamless Presentation Switcher can transmit 4K resolutions up to 4K@60Hz, 4:4:4 and 1080P@60Hz through HDMI or HDBaseT using cat5e/cat6 up to 230ft, making it perfect for classrooms, meeting rooms, huddle spaces and other AV installations.

A Must Have Device for Every AV Space

Ideal for use in court rooms, classrooms, conference rooms and anywhere audio-visual devices can be extended from a remotely located HDMI source device.

Reliable Auto-Switching

The CSW-PS512MV features automatic or manual switching between connected sources (HDMI, DP and USB-C), with the USB-C supporting alt-mode functionality allowing for portable devices such as a tablet or phone to be connected, "First-In, Last-Out" rule, making switching as seamless as possible.

Multi-View Presentation

In the interior of the CSW-PS512MV, there are multiple parallel video processing channels, their outputs can be combined into one video signal so that the multi-view feature is implemented. In theory, up to 5 concurrent views are supported. The screen layout can be configured by the end user.

Seamless AV Switching

The CSW-PS512MV supports seamless AV switching to allow the HDMI inputs instantly without any delay or black screen, this feature is ideal for when doing presentations or media viewing switching between HDMI inputs.

Quality You Can Count On

Since 1974, Comprehensive has been manufacturing the highest quality commercial grade solutions for AV and IT professionals. The CSW-PS512MV is a 5x2 Seamless Presentation Switcher continues that tradition with high end materials, components and quality control to ensure years of worry-free use. All components are backed by Comprehensive's 3 Year Warranty, so you can be assured of guaranteed reliability.

Features

- HDMI 2.0b, HDCP 2.2, DP1.4 up to 4K60@4:4:4
- 3x HDMI, 1x DisplayPort and 1x USB-C inputs
- 1x HDMI, 1x Mirrored HDBaseT 70M/POC outputs
- Full screen/PIP/PAP/Tri/Quad-view 5 configurable display modes
- Up to 14 output resolutions selectable
- 3.5mm analog audio de-embedding
- EDID management
- Buttons and RS-232 control
- True seamless switching, no freezing, black or snow screen
- 3 Year Warranty

CSW-PS512MV



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Applications

- Household entertainment sharing and control
- Lecture room display and control
- Showroom display and control
- Meeting room presentation and control
- Classroom display and control

Specifications

I/O Connections

Switcher

Inputs:

3x HDMI IN [Type A, 19-pin, Female]

1x DP IN

1x USB-C

Outputs:

1x HDBaseT OUT [RJ45]

1x HDMI OUT [Type A, 19-pin, Female]

1x L/R OUT [3.5mm, mini-Jack]

Receiver

Inputs:

1x HDBaseT IN [RJ45, 8-pin female]

Outputs:

1x HDMI OUT [Type A, 19-pin female]

Technical

HDMI Compliance: HDMI 2.0b

HDCP Compliance: HDCP 2.2

DP Compliance: DP 1.4

HDMI Bandwidth: 18Gbps

Input Resolution: HDMI 4K 60Hz, DP 4K 60Hz, USB-C 4K 60Hz

Output Resolution: HDMI 4K 60Hz

Color Space: RGB, YCbCr 4:4:4, YCbCr 4:2:2, YUV 4:2:0

Color Depth: 8/10/12-bit

Transmission Distance

Max distance (1080p): 230ft / 70m over CAT6/6a/7

Max distance (4K): 230ft / 40m over CAT6/6a/7

Power & Regulatory

Power Input: 24V 1A Power Adapter

Power Consumption: 14W (Max)

ESD Protection: Human body model

±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Regulatory: FCC, CE, RoHS Compliant

Prop 65 Compliant: No

Chassis and Environmental

Construction: Metal Enclosure

Color: Black

Dimensions: Switcher: 225mm(W) x 100mm(D) x 25mm(H)

Receiver: 157mm(W) x 90mm(D) x 20mm(H)

Operating Temperature: 0°C – 40°C/32°F – 104°F

Operating Humidity: 10 - 50% RH (no condensation)

Storage Temperature: -20°C – 60°C/-4°F – 140°F

Weight: Switcher: 750g; Receiver: 333g

Package Contents

1x 5x2 Seamless Presentation Switcher

1x HDBaseT 70m Receiver

1x 24V/1A Power Adapter

2x 3-way Female Captive Screw Connector

1x User Manual

Other

Diagnostic Indicators: Power and Status

UPC: 808447085174

Product Part Number: CSW-PS512MV

Warranty: 3 years

SWITCHER

CSW-PS512MV