

4x4 HDMI Matrix Switch with Video Wall Controller - 4K 60 Hz, 4 HDMI Inputs, 4 HDMI Outputs, HDR, 4:4:4, Multi-Resolution Support

MODEL NUMBER: **B119-4X4-4K6-VW**



Extends 4K video to 4 HDMI displays in video wall configuration or functions as a 4x4 matrix switch.

Features

Extends 4K Video in 2 Operational Modes: 4x4 Matrix and Video Wall

This Matrix Switch is a multi-purpose high-speed video processing system that you can configure for two different output modes: 4x4 matrix (with seamless switching) and video wall. It features four HDMI inputs with resolution up to 4K at 60 Hz and four HDMI outputs to create 10 video wall modes: 2x2, 1x2-2, 1x2, 2x1-2, 2x1, 1x3, 1x4, 3x1, and 4x1. You can set display modes via front-panel buttons, the included IR remote, RS-232 commands or TCP/IP. Access the web GUI to visualize content shared over multiple displays.

Transmits 4K Video with HDR and 4:4:4 Color

The B119-4X4-4K6-VW supports Ultra HD 4K resolutions at 60 Hz with LPCM, Dolby Digital/Plus/EX and DTS audio. It supports HDR (High Dynamic Range), providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.2 encryption allows you to stream 4K content with no loss in resolution. This switch also supports uncompressed 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

Multi-Resolution Support Allows Mixing and Matching of Displays of Different Resolutions

Say you have a brand new 4K/60 Hz HDTV in the living room, but want to also connect your Blu-ray player or media server to the older 1080p TV in the kitchen and the 4K/30 Hz monitor in your home office. The B119-4X4-4K6-VW is backward compatible with 4K/30 Hz and 1080p resolutions via automatic switching, allowing each connected television to display video at its maximum resolution without affecting the other outputs.

Plug-and-Play Operation for Quick Setup and Immediate Use

The unit works right out of the box with no software required. Mounting hardware is included for installing the units on a wall, under a desk or in a 19-inch rack. Connect up to four 4K source devices to the HDMI inputs and up to four 4K displays to the HDMI outputs with user-supplied cables. The external power supply comes with four international plug adapters to ensure an AC connection anywhere.

Specifications

Highlights

- Features 2 operational modes: 4x4 matrix (seamless switch) and video wall
- Supports HDMI input/output with UHD resolutions up to 4K @ 60 Hz (4:4:4)
- Supports multi-resolution output to allow for combination of different display types
- Allows flexible control via front-panel buttons, IR remote, RS-232 commands or TCP/IP
- Plug-and-play operation with no software required for easy, immediate installation

System Requirements

- Source device(s) with HDMI output (media server, Blu-ray player, laptop, cable/satellite box)
- Display device(s) with HDMI input (HDTV, monitor, projector)
- All connected devices and cabling must support 4K to achieve 4K resolution

Package Includes

- HDMI Matrix Switch/Splitter
- IR remote
- IR receiver cable, 5 ft. (1.5 m)
- 3-pin RS-232 Phoenix connector
- External power supply (Input: 100–240V, 50/60 Hz, 0.8A; Output: 12V 2.5A) with 4 ft. (1.2 m) cord
- (4) International plug adapters
- (4) Machine screws
- (2) Mounting brackets
- Installation instructions



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OVERVIEW	
UPC Code	037332291134
Product Type	Video Wall Processor
Technology	HDMI
VIDEO	
Number of Monitors Supported	4
Video Ports	(4) HDMI (FEMALE)
Max Supported Video Resolution	3840 x 2160 (4K @ 60Hz)
Max Supported Color Depth	12-bit
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:2:0; 4:2:2; 4:4:4
Bandwidth	18 Gbps
AUDIO	
Audio Input	HDMI
Audio Specification	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio
INPUT	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/7 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.8A
AC Power Adapter Output Specs (V / A)	12V / 2.5A
AC Power Adapter Cord Length (ft.)	4
AC Power Adapter Cord Length (m)	1.2
Voltage Compatibility (VAC)	100; 110; 125; 127; 200; 208; 220; 230; 240
Input Frequency	50/60Hz
Redundancy - Dual Power Inputs	No
Bus Powered	No
POWER	
Power Source Type	AC Adapter
AC Plug Type	AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P
Power Over Cable (PoC) Support	No
Power Consumption (Watts)	19.56

CONNECTIONS	
Number of Ports	4
Firmware Upgrade Port	Yes, RS-232 3-Pin Phoenix Connector. Connects to a PC or control system for serial port upgrade or RS-232 command control.
Side A - Connector 1	(4) HDMI (FEMALE)
Side B - Connector 1	(4) HDMI (FEMALE)
Connector Plating	Nickel
Contact Plating	Nickel
Input x Output	4 x 4
Daisy-chainable / Cascadable	No
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power LED: The LED will illuminate in green when the product is working normally, and red when the product is on standby. Signal source LED: Signal source indicator for OUT 1 - OUT 4 ports.
PHYSICAL	
Color	Black
Material of Construction	Metal
Housing Color	Black
Included Mounting Accessories	Yes
Included Mounting Accessory Description	Surface mount bracket and screws
Rackmountable	No
Shipping Dimensions (hwd / in.)	3.54 x 13.89 x 9.17
Shipping Dimensions (hwd / cm)	9.00 x 35.30 x 23.30
Shipping Weight (lbs.)	4.51
Shipping Weight (kg)	2.05
Unit Dimensions (hwd / in.)	1.200 x 10.600 x 6.500
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)
Relative Humidity	20 to 90% RH (Non-Condensing)
COMMUNICATIONS	
Port Control	Push Buttons, Remote Control or RS-232 Serial
EDID Compatible	Yes
IR Remote Extension Support	Yes



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RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
Latency	No Latency
FEATURES & SPECIFICATIONS	
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	Yes
Multi-Resolution Support	Yes
On-Screen Display (OSD)	No
Port Selection	Pushbutton
HDCP Specification	2.2
Driver Required	No
DIN Mountable	No
IR Frequency Range	38 kHz
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CE; FCC; UL
Product Compliance	CE (Europe); FCC (USA); RoHS; UKCA; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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