

1x4 Video Wall Controller - 4K 60 Hz, 1 HDMI/USB-C Input, 4 HDMI Outputs, HDR, 4:4:4

MODEL NUMBER: B119-1X4-4K6-VW



Extends 4K video from one HDMI or USB-C source to 4 HDMI displays in multiple configurations.

Features

Extends 4K Video from a Single Source to Create 8 Different Video Wall Configurations

This Video Wall Controller is designed to capture, convert, route and distribute all video signal formats to a video wall. It features HDMI and USB-C input with resolution up to 4K at 60 Hz and four HDMI outputs to create eight video wall splicing modes to be stretched either horizontally or vertically: 1x1, 2x1, 3x1, 4x1, 1x2, 1x3, 1x4 and 2x2. You can set display modes via front-panel buttons, the included IR remote or RS-232 commands. **Note:** In video wall mode (except 1x1), only the screens that are selected to perform video wall splicing will display images. Their bezel can be adjusted.

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

The B119-1X4-4K6-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.

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 a 4K source device to either the HDMI or USB-C input 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.

Highlights

- Captures, converts, routes and distributes 4K audio/video to a 4K video wall
- Supports HDMI and USB-C input with UHD resolutions up to 4K @ 60 Hz (4:4:4)
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Allows flexible control via front-panel buttons, IR remote or RS-232 commands
- Plug-and-play operation with no software required for easy, immediate installation

System Requirements

- Source device with HDMI or USB-C 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

- Video Wall Controller
- 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, 0.3A; Output: 12V 1A) with 4 ft. (1.2 m) cord
- (4) International plug adapters
- (4) Machine screws
- (2) Mounting brackets
- Installation instructions

Specifications

OVERVIEW	
UPC Code	037332291127
Product Type	Transmitter; Extender Kit
Technology	HDMI
Host Connector	HDMI (FEMALE)



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VIDEO	
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
EDID Support	Yes
Bandwidth	18 Gbps
AUDIO	
Audio Input	HDMI
Audio Specification	HDMI IN/OUT: LPCM 2.0/5.1, Dolby Digital/Plus/EX, DTS, DTS-EX, DTS-96/24 L/R OUT: PCM 2.0 SPDIF(OPTICAL): Dolby Digital/plus, DTS 5.1, PCM 2.0
INPUT	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.3A
AC Power Adapter Output Specs (V / A)	12V / 1A
AC Power Adapter Cord Length (ft.)	4
AC Power Adapter Cord Length (m)	1.2
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
Input Frequency	50/60Hz
Redundancy - Dual Power Inputs	No
Bus Powered	No
Power Source	AC Adapter
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
AC Adapter	Input: 100-240V / 50/60Hz / 0.3A; Output: 12V, 1A, 4ft
Device Power Plug Type	AS/NZS 3112; BS1363; CEE 7/16 Schuko; NEMA 1-15P
CONNECTIONS	
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	(4) HDMI (FEMALE)
Input x Output	1 x 4



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Daisy-chainable / Cascadable	No
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	ON/OFF LED is green when the product is working normally, and red when the product is on standby. HDMI LED is green when HDMI input is selected. USB-C LED is green when USB-C input is selected. AUTO LED is green when auto switching is enabled.
PHYSICAL	
Color	Black
Material of Construction	Metal
Housing Color	Black
Included Mounting Accessories	Mounting ears
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	No
Shipping Dimensions (hwd / in.)	3.14 x 7.08 x 11.02
Shipping Dimensions (hwd / cm)	8.00 x 18.00 x 28.00
Shipping Weight (lbs.)	2.42
Shipping Weight (kg)	1.10
Unit Dimensions (hwd / in.)	1.181 x 3.937 x 8.661
Unit Weight (lbs.)	1.3
Unit Weight (kg)	0.59
Housing	Metal
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)
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
COMMUNICATIONS	
Port Control	Push Buttons, Remote Control or RS-232 Serial
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
Latency	No Latency
FEATURES & SPECIFICATIONS	



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10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	No
Multi-Resolution Support	No
HDCP Specification	2.2
Driver Required	No
DIN Mountable	No
IR Frequency Range	38KHz
STANDARDS & COMPLIANCE	
External Power Supply Certifications	FCC; UL; cUL
Product Compliance	CE (Europe); FCC (USA); RoHS; UKCA; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty

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