

BG-UHD-VWP110L

1X10 4K UHD HDMI/USB-C SWITCHER AND VIDEO WALL CONTROLLER WITH SCALING/ROTATION/ BEZEL ADJUSTMENT/RS-232 AND AUDIO DE-EMBEDDING

The BG-UHD-VWP110L is a professional 4K60 video wall controller designed to distribute a single HDMI or USB-C source across up to ten HDMI displays with exceptional image quality and flexible layout options. Supporting resolutions up to 4K@60Hz 4:4:4 with full 18Gbps bandwidth, HDMI 2.0b, and HDCP 2.2 compliance, it delivers reliable Ultra HD content for digital signage, command centers, retail environments, corporate spaces, and other professional AV applications.

Built for versatile video wall deployments, the BG-UHD-VWP110L supports multiple predefined wall configurations, image rotation, bezel compensation, advanced EDID management, and audio de-embedding. Combined with front-panel, IR, and RS-232 control, it provides a powerful yet easy-to-deploy solution for creating impressive multi-display video walls without requiring external software.



FEATURES



8K HDBASET EXTENSION

Extends HDMI, USB, audio, and control signals up to 100m (328ft) over a single CAT5e/6 cable while supporting resolutions up to 8K@60Hz and 4K@144Hz



1X10 HDMI DISTRIBUTION

Routes a single HDMI or USB-C source to ten HDMI outputs for professional multi-display video wall installations



FLEXIBLE VIDEO WALLS

Supports 15 predefined video wall configurations, including 2x2, 3x3, 5x2, 4x1, and more to accommodate a variety of display arrangements



PROFESSIONAL DISPLAY OPTIMIZATION

Features bezel compensation, per-output image rotation, and advanced EDID management for seamless installation and reliable performance



MULTIPLE CONTROL INTERFACES

Supports front-panel operation, IR remote control, and RS-232 serial commands for standalone or integrated system control



AUDIO DE-EMBEDDING

Extracts audio through both optical (S/PDIF) and analog stereo outputs for connection to external sound systems



TECH SPECIFICATIONS

Technical

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
DP Compliance	DisplayPort 1.4 Alt Mode (USB-C)
Video Bandwidth	18Gbps
Input Resolution	Up to 4K@60Hz (3840x2160 / 4096x2160), plus legacy formats
Output Resolution	720p, 1080p, 4K30, 1024x768
Color Space	RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Color Depth	8 / 10 / 12-bit
Audio Formats (HDMI/USB-C)	LPCM 2.0/5.1, Dolby Digital/Plus/EX, DTS formats
Optical Audio Formats	Dolby Digital/Plus, DTS 5.1, PCM 2.0
L/R Audio Format	PCM 2.0

Connection

HDMI Input	1x HDMI Type-A
USB-C Input	1x USB-C (DP Alt Mode)
HDMI Outputs	10x HDMI Type-A (Video Wall Outputs)
Optical Audio Output	1x S/PDIF
Analog Audio Output	1x 3.5mm L/R stereo
RS-232 Control	1x 3-pin Phoenix connector
IR Extension	1x 3.5mm IR EXT port
Power Input	DC 12V/1A locking connector

Mechanical

Housing	Metal enclosure
Dimensions (W x D x H)	11in x 5.6in x 1.2in [270mm x 141mm x 30mm]
Weight	2.1 lbs [935g]
Power Consumption	9.5W max
Operating Temperature	32°F to 104°F / 0°C to 40°C
Storage Temperature	-4°F to 140°F / -20°C to 60°C
Operating Humidity	20% - 80% RH non-condensing
Storage Humidity	10% - 90% RH non-condensing

10% - 90% RH non-condensing

Input Cable Length (4K60)	Up to 5m / 16ft
Input Cable Length (1080p)	Input Cable Length (1080p)
Cable Type	Premium High Speed HDMI cable recommended
Installation Note	Short, high-quality HDMI cables recommended for stable 4K60 performance

Limited Product Warranty Terms

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit [bzbgear.com/warranty](https://www.bzbgear.com/warranty).
For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Pro Line Products
5-YEAR WARRANTY

Essential Line Products
3-YEAR WARRANTY

Cables Products
LIFETIME WARRANTY