

# BG-UHD-1616M

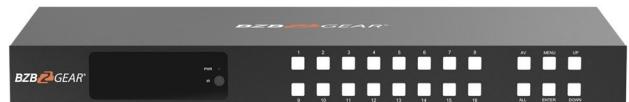
**16X16 4K UHD 18Gbps HDMI Matrix with Advanced EDID/Downscaling/CEC**

The BG-UHD-1616M is a 4K HDMI matrix switcher which supports video and audio from up to 16 sources to up to 16 HDMI displays. With this matrix, users can switch which display uses which input, enabling a great deal of control over many displays at once.

This matrix supports HDMI 2.0b and HDCP 2.2/1.x. The BG-UHD-1616M supports resolutions as high as 4K2K@60Hz (YUV 4:4:4) on all HDMI ports, ensuring a clear picture if using high quality inputs. All video outputs are capable of downscaling 4K video to 1080p if necessary and this matrix has a maximum video bandwidth of 18Gbps. Put together, these features ensure the delivery of pristine uncompressed video transmission to up to 16 displays.

## FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- 16x16 Video Matrix: View Any Source on Any Display
- HDMI 2.0, HDCP 2.2 support
- Dolby Vision, HDR10+, and HLG support
- Front panel buttons, RS232, IR, CEC, IP, and WebGUI
- HDMI 2.0b, HDCP 2.2/1.x and DVI 1.0 compliant
- HDR, HDR10, HDR10+, Dolby Vision and HLG are supported
- Support 4K-1080P Down Scaler for each output port
- ARC, CEC and smart EDID management are supported
- Support 18Gbps video bandwidth
- Audio De-Embedding Supported
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio)



# Specifications

HDMI Compliance: HDMI 2.0b  
HDCP Compliance: HDCP 2.2/1.x  
Video Bandwidth: 18Gbps  
Video Resolution: Up to 4K2K@60Hz (4:4:4)  
Color Space: RGB, YCbCr 4:4:4/4:2:2/4:2:0  
Color Depth: 8-bit, 10-bit, 12-bit  
HDMI Audio Formats (Pass-through): LPCM 2/5.1/7.1, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X  
Coax Audio Formats: LPCM 2.0, Dolby Digital / Plus, DTS 5.1  
HDR formats: HDR10, HDR10+, Dolby Vision, HLG  
ESD Protection: Human-body Model: 38kV (Air-gap discharge) , 34kV (Contact discharge)

## CONNECTION

Input Ports: 16xHDMI Type A [19-pin female]  
Output Ports: 16xHDMI Type A [19-pin female]; 16xCoax Audio (RCA)  
Control Ports: 1xTCP/IP [RJ45]; 1xRS-232 [D-Sub 9]

## MECHANICAL

Housing: Metal Enclosure  
Color: Black  
Dimensions: 17.3" (W) x 7.9" (D) x 1.7" (H) [440mm (W) x 200mm (D) x 44mm (H)]  
Weight: 6.83lbs [3.1kg]  
Power Supply: Input: AC 100 - 240V 50/60Hz; Output: DC 24V/3.75A (US/EU standard, CE/FCC/UL certified)  
Power Consumption: 76.8W  
Operating Temperature: 14°F ~ 113°F / -10°C ~ 45°C  
Storage Temperature: -4°F ~ 140°F / -20°C ~ 60°C  
Relative Humidity: 20~90% RH (non-condensing)  
Resolution / Cable length (HDMI IN and OUT): 4K60 - Feet / Meters: 16ft / 5M; 4K30 - Feet / Meters: 32ft / 10M; 1080P60 - Feet / Meters: 50ft / 15M

The use of "Premium High Speed HDMI" cable is highly recommended.

## Industry-Leading Warranty & Support

BZBGEAR Pro AV products and Cameras come with a three-year warranty. An extended two-year warranty is available for our Cameras upon registration for a total of five years.

We pride ourselves in our Customer Service and seven-days-a-week Tech Support.

