



BG-VOP-MT

**4K UHD HDMI 2.0 over IP Multicast Transceiver
w/ Video Wall and PoE support
(For use in conjunction with BG-VOP-CB)**

BG-VOP-MT is a revolutionary 4K UHD HDMI over IP Multicast Transceiver with Video Wall and PoE support. Sold individually, each unit changes from a transmitter to a receiver at the flip of a switch. This scalable system allows you to build out custom HDMI matrix switching over IP.

The BG-VOP-MT is an ideal solution for video distribution, video walls, and digital signage. With only one part number to remember for transmitting, receiving, and processing, ordering and installation are greatly simplified.

Synergetic Technologies

- TAA compliant
- Ultra HD (4K2K) transmission distance to 100 m (328 ft)
- Video wall and matrix function
- HDMI 2.0a & HDCP 2.2 compliant
- HDMI input up to 4K2K@60Hz 4:4:4
- HDMI output up to 4K2K@30Hz RGB
- USB 2.0 downstream port
- Latency: 1080p60Hz: 23ms
- Audio embedding and de-embedding for connecting external audio devices

Scalability and Flexibility

- Can be configured as a transmitter or receiver
- Flexible and scalable UHD video broadcasting
- Point to Point, Point to Many, and Multi-Casting broadcasting formats
- Up to 1,023 groups multi-casting
- Easy dip switch matching for multi-casting group configuration
- Wall mountable housing for robust installation
- 180° and 270° clockwise image rotation

Connections and Control

- Supports Power over Ethernet (PoE), IR, and RS-232
- Full frequency IR signal from 20KHz to 60KHz
- Bi-directional IR path
- Free broadcasting management software



**FREE Software Control Program
BG-AVoIP-CONTROL**

Specifications

Role of usage	Transceiver	
HDMI compliance	HDMI	
HDCP compliance	Yes	
Input Video support	Up to 4K2K@60 (4:4:4 8bits)	
Output Video support	Up to 4K2K@30 (RGB)	
Latency	2 frames (33 ms) maximum	
HDMI over UTP transmission [24-bit]	Ultra HD (4K2K60) – 100m (328ft) [CAT.X]	
Audio support	Surround sound (up to 7.1ch) or stereo digital audio	
Input TMDS signal	1.2 Volts [peak-to-peak]	
Input DDC signal	5 Volts [peak-to-peak, TTL]	
ESD protection	Human body model – ±15kV [air-gap discharge] & ±8kV [contact discharge]	
IR pass-thru	Full-duplex bi-directional	
RS-232 support	Yes	
I/O connector	2x HDMI + 4x 3.5mm + 3x USB + 1x RJ45 + 1x DIN9	
HDMI source control	Controllable via IR pass-through from RX to TX and from TX to RX with IR extenders	
IR remote control	Electro-optical characteristics: t = 25° / Carrier frequency: 20-60kHz	
HDMI connector	Type A [19-pin female]	
Min DIN connector	DIN-9	
RJ45 connector	WE/SS 8P8C with 2 LED indicators	
3.5mm connector	IR blaster & IR receiver	
Mechanical		
Housing	Metal enclosure	
Dimensions [L x W x H]	Model	180 x 142 x 28mm[7" x 5.5" x 3.2"]
	Package	264 x 170 x 77mm[10.3" x 6.7" x 3"]
	Carton	430 x 358 x 291mm[14" x 12" x 11.5"]
Weight	Model	664g [1.5 lbs]
	Package	889g [2 lbs]
Fixedness	Wall-mounting case with screws	
Power supply	5V 2A DC / 48V POE	
Operation temperature	0-40°C [32-104°F]	
Storage temperature	-20-60°C [-4-140°F]	
Relative humidity	20-90% RH [no condensation]	

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.

Pro AV 3 Year Warranty	Cameras 5 Year Warranty	Lifetime Product Support
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