

## BG-VOP-MT

4K UHD HDMI OVER IP MULTICAST TRANSCIEVER WITH VIDEO WALL/KVM/USB/POE SUPPORT

The BG-VOP-MT Transceiver performs both encoding and decoding for BZBGEAR's IPGEAR-4K system. The device offers outstanding 4K UHD HDMI video transmission over IP and has support for PoE. This device is a keystone in providing digital signage, video walls, and video distribution in commercial settings.

With the ability to function as a transmitter or receiver at the flip of the switch, this device is one of the easiest video over IP solutions to implement on the market. The BG-VOP-CB controller can auto-discover each BG-VOP-MT on the network, making for a painless setup process.

Unlike most other video over IP solutions from competing manufacturers, the BG-VOP-MT is TAA compliant, making this device an attractive choice for government use. It also provides a scalable solution so that you can easily add additional BG-VOP-MT units to your network at any time. This enables operators to create fully customized HDMI matrix switching over IP.



## FEATURES



### GRAPHICS OVERLAY

Add your own custom graphics to overlay displayed images or create Menu Boards



### ULTRA HD

Output supports resolutions up to 4K2K@30Hz



### HDCP 2.2

High-Bandwidth Digital Content Protection Supported



### BI-DIRECTIONAL IR

Control IR sources or display devices remotely with IR pass-through



### VIDEO WALL

Spread a source across multiple displays



### VIDEO MATRIX

View any source on any display



## TECH SPECIFICATIONS

### Technical

|                                     |  |
|-------------------------------------|--|
| 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 (4K2K@60) - 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                          | 7" x 5.5" x 3.2" [180 x 142 x 28mm]  |
|                        | Package                        | 10.3" x 6.7" x 3" [264 x 170 x 77mm] |
| Weight                 | Model                          | 23 oz [664g]                         |
|                        | Package                        | 2 lbs [889g]                         |
| Fixedness              | Wall-mounting case with screws |                                      |
| Power supply           | 5V 2A DC / 48V POE             |                                      |
| Operation temperature  | 32~104°F / 0~40°C              |                                      |
| Storage temperature    | -4~140°F / -20~60°C            |                                      |
| Relative humidity      | 20~90% RH [no condensation]    |                                      |

## 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](http://bzbgear.com/warranty).

For questions, please call 1.888.499.9906 or email [support@bzbgear.com](mailto:support@bzbgear.com).

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