

BG-IPGEAR-PRO-T

4K UHD HDMI 2.0 OVER IP MULTICAST TRANSMITTER WITH VIDEO WALL/KVM/USB/POE SUPPORT

The BG-IPGEAR-PRO-T is a high-performance transmitter/encoder that is an essential component in the BZBGEAR IPGEAR-PRO AV over IP system. It provides outstanding 4K 60Hz UHD HDMI video transmission over IP networks, and also has support for Power over Ethernet (PoE). This system is ideal for digital signage, video walls, and video distribution in commercial installations.

The BG-IPGEAR-PRO-T is designed to be easy to install and use. When paired with the BG-IPGEAR-PRO-R receivers and the BG-IPGEAR-PRO-C controller, it becomes one of the most user-friendly video over IP solutions on the market. The controller can automatically discover each IPGEAR-PRO device on the network, making the setup process simple and effortless. Furthermore, the system is TAA compliant, making it suitable for government use.

It also offers a scalable solution that enables users to add additional Transmitter or Receiver units to the network at any time, providing full flexibility and customization to HDMI distribution and switching over IP.



FEATURES



POE

Delivers power directly over an ethernet cable



ULTRA HD

Output supports resolutions up to 4K2K@60Hz



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	Transmitter [TX]
HDMI compliance	HDMI
HDCP compliance	Yes
Video support	Up to 4K2K@60 (4:4:4 8bits)
Latency	2 frames (33 ms) maximum
HDMI over UTP transmission [24-bit]	Ultra HD (4K2K60) - 120m (396ft) [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]
RS-232 support	Yes
IR pass-thru	Full-duplex bi-directional
Input	1x HDMI + 2x 3.5mm + 2x USB
Output	1x RJ45 + 1x S/PDIF + 2x 3.5mm
In/ Out	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	Analog audio / IR blaster & IR receiver

Mechanical

Housing	Metal enclosure
Dimensions [L x W x H]	7.6" x 5.2" x 1.1" [194 x 133 x 28 mm]
Weight	1.5 lbs [663g]
Fixedness	Wall-mounting case with screws
Power supply	5V DC / 48V POE
Power consumption	6 Watts [max]
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.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

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5-YEAR WARRANTY

Essential Line Products
3-YEAR WARRANTY

Cables Products
LIFETIME WARRANTY

