IP300UHD-TX

BLUSTREAM

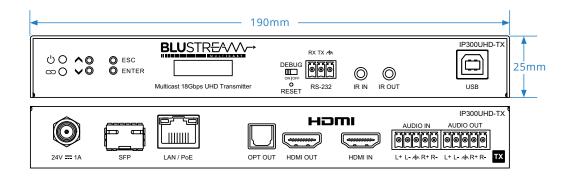## IP Multicast HDMI2.0 Video Transmitter

Description

The Blustream IP300 series Multicast distribution platform allows virtually latency free (1 frame) distribution of 4K 18Gbps HDMI video over a 1Gb managed network.

Featuring full interoperability with the IP350UHD product line where Dante is required, the IP300UHD-TX is an industry leading 4K HDMI transmitter that, using visually lossless compression technology, delivers 18Gbps HDMI, HDCP2.2, audio, bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard copper network architecture, or greater distances using the in-built fibre SFP network interface.

The unit can be powered via PoE from the network switch, or locally should the switch not support PoE.

With multiple configuration options available, the flexibility of the Blustream Multicast video over IP solution makes this platform ideal for multiple installation types.

Key Features

- Advanced 4K HDMI 2.0 video over 1Gb managed network supporting 18Gbps HDMI signals
- Virtually unlimited system size
- Extends HDMI up to a distance of 100m over a single CAT cable
- SFP port for signal distribution over fibre
- Features 1 x HDMI loop-out for integrating local displays or cascading to multiple devices
- Supports up to 4K UHD 60Hz 4:4:4
- Supports HDR including Dolby Vision LLM
- Supports all known HDMI audio formats including Dolby Atmos, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission
- Advanced signal management for independent routing of IR, RS-232, USB/KVM, audio and video
- PoE (Power over Ethernet) to power Blustream unit from PoE switch

- HDCP 2.2 compliant with advanced EDID management
- Audio breakout to analogue L/R audio, supporting both balanced and unbalanced audio signals
- Balanced/unbalanced analogue audio input for replacing the HDMI embedded audio with a different audio signal
- OLED front panel display for advanced system information and manual configuration
- Optional 24V power supply (should Ethernet switch not support PoE)
- Compatible with Blustream IP300UHD-RX and IP350UHD-TX/RX products
- IP300/350 Multicast platform features 4 operational modes:
  - Matrix distribution (requires 1Gb network switch)
  - Video wall (requires 1Gb network switch)
  - One-to-one HDMI extender (no network switch required)
  - One-to-many HDMI extender (no network switch required)

Connectivity

- **Video Input:** 1 x HDMI Type A, female
- **Video Output:** 1 x LAN RJ45 connector, 1 x SFP connector, 1 x HDMI Type A, female
- **Audio Input:** 1 x 5-pin Phoenix connector
- **Audio Output:** 1 x 5-pin Phoenix connector, 1 x Optical (S/PDIF)
- **Ethernet Port:** 1 x LAN RJ45 connector
- **Fibre Port:** 1 x SFP connector (fibre module not supplied)
- **RS-232 Serial Port:** 1 x 3-Pin Phoenix connector
- **USB/KVM Port:** 1 x USB2.0-type B for KVM
- **IR Input:** 1 x 3.5mm stereo jack
- **IR Output:** 1 x 3.5mm mono jack

Specifications

- **Dimensions (W x D x H):** 190mm x 128mm x 25mm
- **Unit Weight:** 0.75kg
- **Packaging Dimensions (W x D x H):** 260mm x 180mm x 55mm
- **Shipping Weight:** 1.0kg
- **Power Consumption:** 8W (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)
- **Power Supply:** Class 3 IEEE 802.3af POE PD or 24V 1A DC PSU

Included Accessories

IR Accessories	1 x IRR IR Receiver 1 x IRE1 IR Emitter
Audio Accessories	2 x 5-pin Phoenix
Serial Accessories	1 x 3-pin Phoenix
Mount	1 x Mounting Kit

Regulatory Compliance

CE UKCA FC RoHS Compliant

CAN ICES-003(B) / NMB-003(B)

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