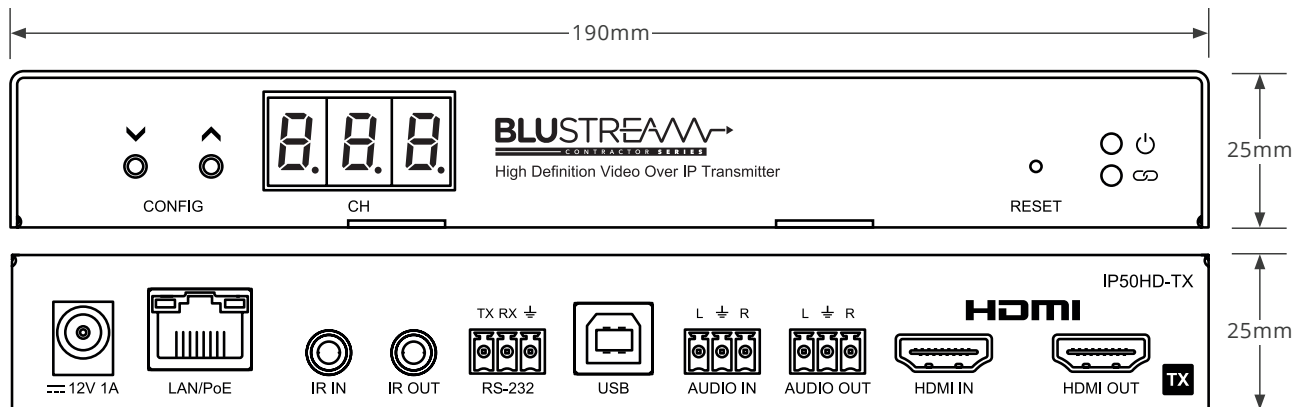# IP50HD-TX

BLUSTREAM

High Definition Video Over IP Transmitter

Description

Our Contractor HD Multicast distribution platform allows distribution of AV and control signals over a 1Gb network.

The IP50HD-TX is an industry leading 1080p HDMI transmitter that uses H.265 compression technology to deliver HDMI, Bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture.

The IP50HD-TX includes a HDMI loop-out for cascading to multiple devices and can be powered via PoE from the network switch or locally should the switch not support PoE. With multiple configuration options available the Multicast HD solution is ideal for both commercial and residential installations.

1080p | KVM | PoE | HDCP 1.4

BI-DIRECTIONAL CONTROL | AUDIO BREAKOUT | RS-232 | EDID MANAGEMENT

AUDIO ROUTING

190mm

BLUSTREAM
CONTRACTOR SERIES
High Definition Video Over IP Transmitter

CONFIG · CH · RESET

25mm

IP50HD-TX

12V 1A | LAN/PoE | IR IN | IR OUT | TX RX · RS-232 | USB | L R AUDIO IN | L R AUDIO OUT | HDMI IN | HDMI OUT | TX

HDMI

25mm

Key Features

- Advanced HD video, control and KVM over network infrastructure
- Extends HDMI up to a distance of 100m over a single CAT cable
- Supports unicast transmission over unmanaged networks
- Supports multicast transmission for large managed networks
- Supports up to 1080p 60Hz
- Features 1 x HDMI loop-out for integrating local displays or cascading to multiple devices
- Supports PCM 2.0 channel audio
- Advanced signal management for independent routing of IR, RS-232, USB/KVM and video/audio

- PoE (Power over Ethernet) to power Blustream products from PoE switch
- HDCP 1.4 compliant with advanced EDID management
- Analogue L/R audio embedding and audio breakout
- Local 12V 1A power supply should Ethernet switch not support PoE (not included)
- Features 2 operational modes:
  - Matrix distribution (requires 1Gb network switch)
  - One-to-one HDMI extender (no network switch required)

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HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE | HDBT | Dante | Dolby | dts

Connectivity

- **Video Input:** 1x HDMI Type A, 19-pin, female, locking
- **Video Output:** 1x LAN RJ45 connector, 1x HDMI Type A, 19-pin, female, locking
- **Latency:** 3 Frames (<120ms subject to video compression, rate, and scaling)
- **Audio Input:** 1x 3-Pin Phoenix connector
- **Audio Output Connectors:** 1x 3-Pin Phoenix connector
- **Ethernet Port:** 1x LAN RJ45 connector
- **RS-232 Serial Port:** 1x 3-Pin Phoenix connector
- **USB / KVM Port:** 1x USB-Type B
- **IR Input:** 1x 3.5mm stereo jack
- **IR Output:** 1x 3.5mm mono jack

Specifications

- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage Temperature:** -4°F to 140°F (-20°C to 60°C)
- **Dimensions (W x D x H):** 190mm x 95mm x 25mm
- **PoE draw:** 3.7W (typical), 4.0W (max load)

Included Accessories

IR Accessories	1 x IRR, 1 x IRE
Rack Mount	1 x Mounting Kit

Control

App
RS-232
IR
TCP/IP