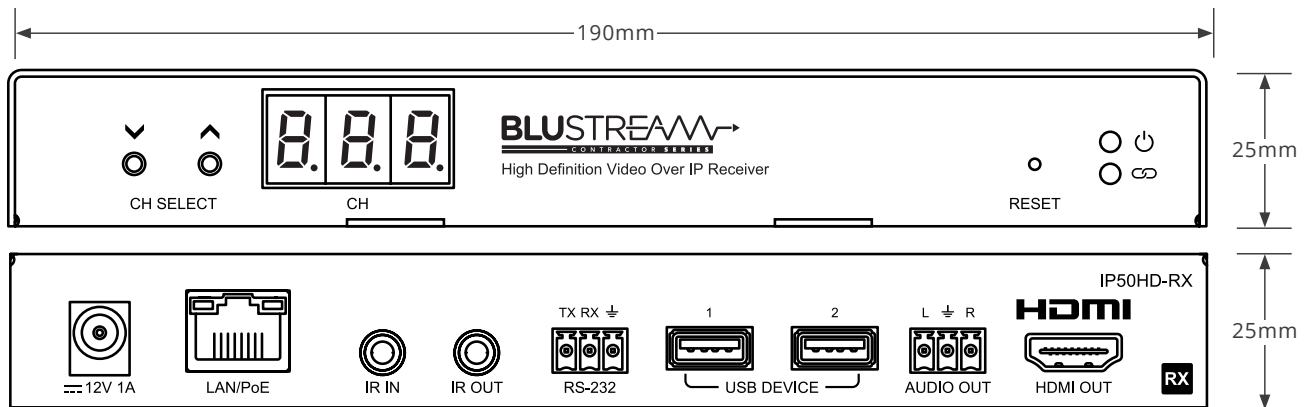# IP50HD-RX

BLUSTREAM

High Definition Video Over IP Receiver

Description

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

The IP50HD-RX is an industry leading 1080p HDMI video scaling receiver 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-RX 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 | VIDEO SCALING

AUDIO ROUTING

190mm

CH SELECT | CH | RESET — 25mm

BLUSTREAM CONTRACTOR SERIES
High Definition Video Over IP Receiver

IP50HD-RX

12V 1A | LAN/PoE | IR IN | IR OUT | TX RX ⏚ RS-232 | 1 2 USB DEVICE | L ⏚ R AUDIO OUT | HDMI HDMI OUT | RX — 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
- In-built video scaler to allow for inclusion of displays with differing resolution capabilities
- Supports up to 1080p 60Hz video output
- 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 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)

BLUSTREAM

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

Connectivity

- **Video Input Connectors:** 1x LAN RJ45 connector
- **Video Output Connectors:** 1x HDMI Type A, 19-pin, female, locking
- **Audio Output Connectors:** 1x 3-Pin Phoenix connector
- **Ethernet Port:** 1x LAN RJ45 connector (video extension)
- **RS-232 Serial Port:** 1x 3-Pin Phoenix connector
- **USB / KVM Port:** 2x USB-Type A
- **IR Input ports:** 1x 3.5mm stereo jack
- **IR Output ports:** 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

Included Accessories

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

Control

App
RS-232
IR
TCP/IP