

Multicast UHD Transmitter with Dante®

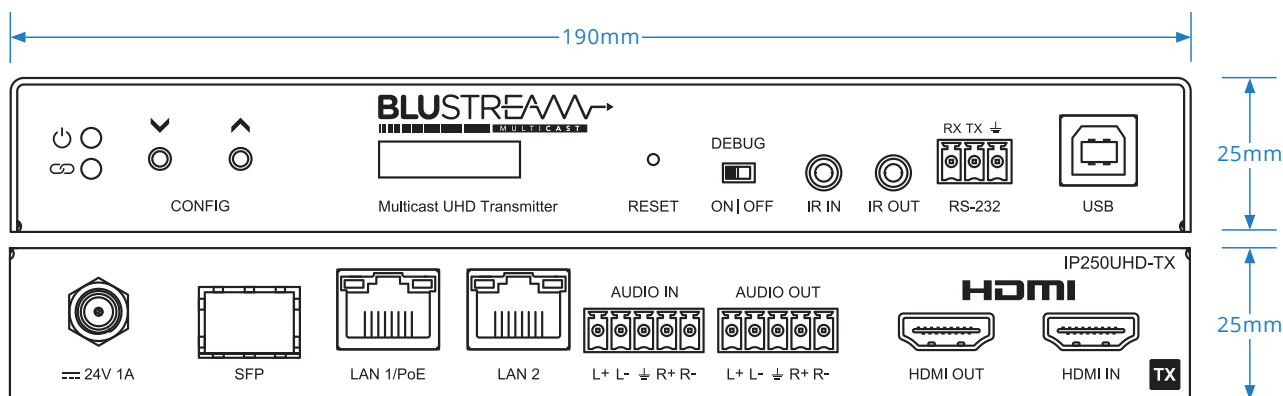
Description

Our UHD Multicast distribution platform allows virtually latency free (1 frame) distribution of 4K HDMI video over a 1Gb Managed Network.

Compatible with the current IP200 platform, the IP250UHD-TX is an industry leading 4K HDCP 2.2 HDMI transmitter that, using visually lossless compression technology, delivers 10Gb HDMI, bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture, or greater distances using the in-built fibre SFP port.

The IP250UHD-TX features dual RJ45 network ports for independent or combined HDMI and/or Dante signal distribution.

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 Multicast solution is ideal for both commercial and residential installations.



Key Features

- Advanced UHD video over 1Gb Network
- Operates as a stand-alone system, or together with existing IP200UHD products
- Virtually unlimited system size
- Extends HDMI and Dante up to a distance of 100m over a single CAT cable
- Dual RJ45 network ports configurable for independent or combined HDMI and Dante signal distribution
- SFP port for independent or combined HDMI and Dante signal distribution over a single fibre cable
- Supports up to 4K HDR UHD video sources (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)
- Supports HDR input @ 4K 30/25/24Hz
- Features 1 x HDMI loop-out for integrating local displays or cascading to multiple devices
- In-built 2ch Dante transmitter for breakout of audio from HDMI source or local analogue audio input
- In-built 2ch Dante receiver for embedding of audio onto the HDMI signal or breakout to local analogue audio output
- Analogue L/R audio embedding
- Analogue L/R audio outputs support both balanced and unbalanced audio signals
- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications.
- Advanced signal management for independent routing of IR, RS-232, USB/KVM*, audio and video
- OLED front panel display for advanced system information and manual configuration
- PoE (Power over Ethernet) to power Blustream products from PoE switch
- HDCP 2.2 compliant with advanced EDID management
- Local 24V 1A power supply should Ethernet switch not support PoE (not included)
- 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)

**USB connectivity for IP200 series products only supports bulk mode cameras, and will not support isochronous USB data transfer for VC equipment / cameras.*

Blustream cannot be held responsible for errors in typography or photography. Specifications are subject to change without notice.



Connectivity

- **Video Input:** 1 x HDMI Type A, female
- **Video Output:** 1 x LAN RJ45 connector, 1 x Fibre SFP connector (fibre module not supplied) 1 x HDMI Type A, female
- **Audio Input:** 1 x 5-pin Phoenix connector
- **Audio Output:** 1 x 5-pin Phoenix connector
- **Ethernet Port:** 2 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 USB-Type B
- **IR Input:** 1 x 3.5mm stereo jack
- **IR Output:** 1 x 3.5mm mono jack
- **Firmware Update:** 1 x Micro-USB

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)
- **Unit Dimensions (W x D x H):** 190mm x 126mm x 25mm (without connections)
- **Unit Dimensions (W x D x H):** 190mm x 164mm x 25mm (with connections)

Audio Routing Capabilities

Audio Input	Audio Output		
	HDMI	Analogue 2ch PCM	Dante 2ch
HDMI	✓	✓	✓
Analogue 2ch PCM	✓		✓
Dante 2ch	✓	✓	

Control

App (via ACM200)
RS-232 (via ACM200)
TCP-IP (via ACM200)
Front Panel Buttons

Included Accessories

IR Accessories	1 x IRR & 1 x IRE
Serial Accessories	1 x 3-pin Phoenix
Rack Mount	Using RSU-2RU
Shelf/Desk Mount	1 x Mounting Kit

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Multicast UHD Receiver with Dante®

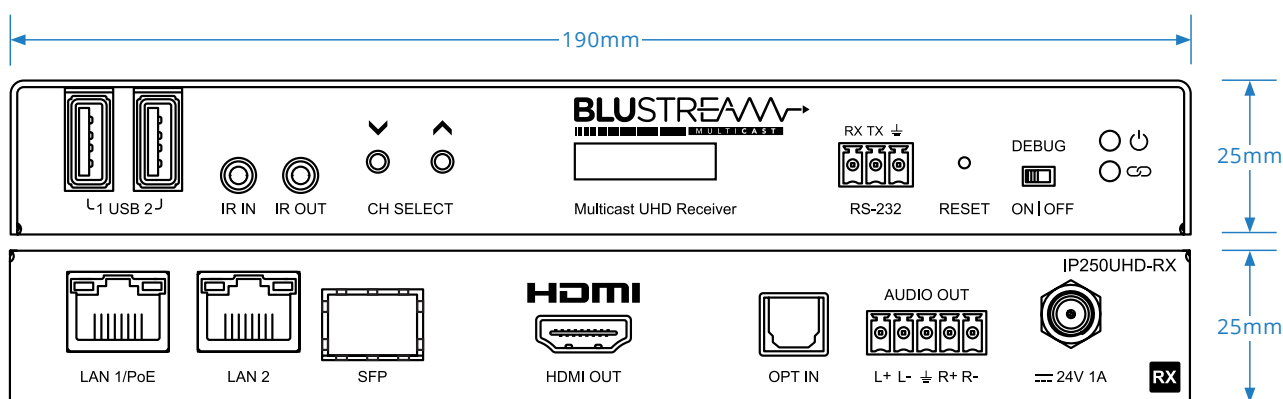
Description

Our UHD Multicast distribution platform allows virtually latency free (1 frame) distribution of HDMI video over a 1Gb Managed Network.

Compatible with the current IP200 platform, the IP250UHD-RX is an industry leading 4K HDCP 2.2 HDMI video scaling receiver that using visually lossless compression technology delivers 10Gb HDMI, Bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture, or greater distances using the in-built Fibre SFP port.

The IP250UHD-RX features dual RJ45 network ports for independent or combined HDMI and/or Dante signal distribution.

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 Multicast solution is ideal for both commercial and residential installations.



Key Features

- Advanced UHD video over 1Gb Network
- Operates as a stand-alone system, or together with existing IP200UHD products
- Virtually unlimited system size
- Extends HDMI and Dante up to a distance of 100m over a single CAT cable
- Dual RJ45 network ports configurable for independent or combined HDMI and Dante signal distribution
- SFP port for independent or combined HDMI and Dante signal distribution over a single fibre cable
- Video up-scaling and down-scaling
- Supports up to 4K 30Hz UHD video output
- In-built 2ch Dante transmitter for breakout of audio from HDMI source or local analogue audio input
- In-built 2ch Dante receiver for embedding of audio onto the HDMI signal or breakout to local analogue audio output
- Optical (S/PDIF) audio input for conversion of digital audio format onto Dante audio system
- Analogue L/R audio outputs support both balanced and unbalanced audio signals
- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications.
- Advanced signal management for independent routing of IR, RS-232, USB/KVM, audio and video
- OLED front panel display for advanced system information and manual configuration
- PoE (Power over Ethernet) to power Blustream products from PoE switch
- HDCP 2.2 compliant with advanced EDID management
- Local 24V 1A power supply should Ethernet switch not support PoE (not included)
- 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)

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Connectivity

- **Video Input:** 1 x LAN RJ45 connector, 1 x Fibre SFP module (fibre module not supplied)
- **Video Output:** 1 x HDMI Type A, female
- **Audio Input:** 1 x Optical (S/PDIF)
- **Audio Output Connectors:** 1 x 5-pin Phoenix connector
- **Ethernet Port:** 2 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:** 2 x USB-Type A
- **IR Input:** 1 x 3.5mm stereo jack
- **IR Output:** 1 x 3.5mm mono jack
- **Firmware Update:** 1 x Micro-USB

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)
- **Unit Dimensions (W x D x H):** 190mm x 126mm x 25mm (without connections)
- **Unit Dimensions (W x D x H):** 190mm x 164mm x 25mm (with connections)

Audio Routing Capabilities

Audio Input	Audio Output		
	HDMI	Analogue 2ch PCM	Dante 2ch
HDMI	✓	✓	✓
Optical			✓
Dante 2ch	✓	✓	

Control

IR
App (via ACM200)
RS-232 (via ACM200)
TCP-IP (via ACM200)
Front Panel Buttons

Included Accessories

IR Accessories	1 x IRR & 1 x IRE
Serial Accessories	1 x 3-pin Phoenix
Rack Mount	Using RSU-2RU
Shelf/Desk Mount	1 x Mounting Kit

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