

## Multicast HDMI over IP Receiver and Transmitter

### Description

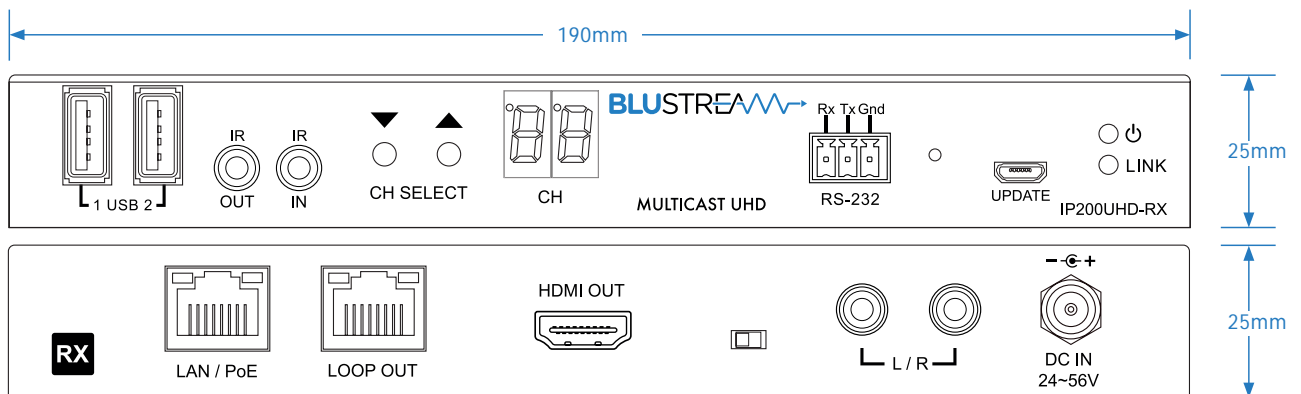
Our UHD Multicast distribution platform allows virtually latency free (1 frame) distribution of HDMI video over a 1GB Network switch.

The IP200UHD TX and RX are industry leading 4K, HDCP 2.2 HDMI transmitters and receivers respectively. Using visually lossless compression technology, they deliver HDMI, bi-directional IR, RS-232 & USB /KVM up to lengths of 100m over standard network architecture.

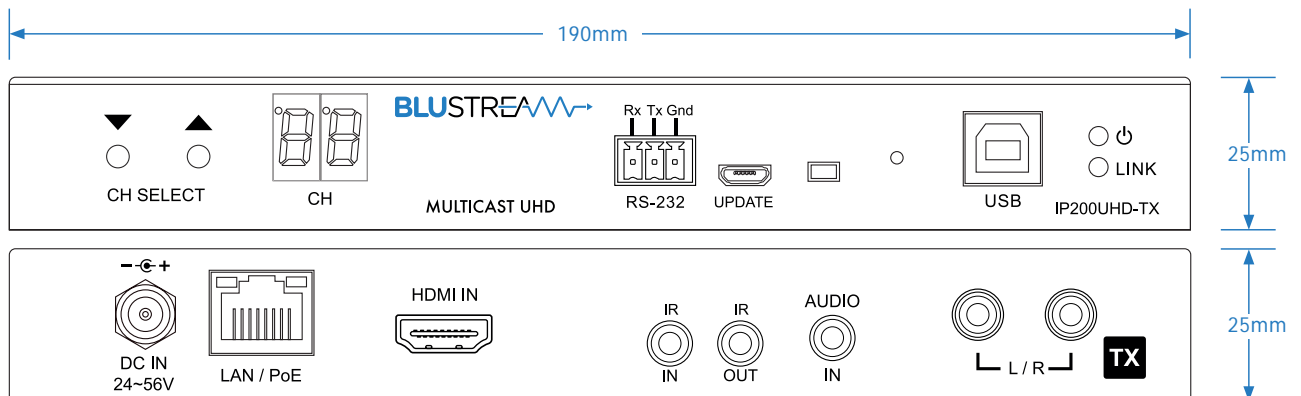
Both the IP200UHD-TX and IP200UHD-RX can be powered via PoE from the network switch or powered locally should the switch not support PoE. With multiple configuration options available, the multicast solution is ideal for both commercial and residential applications



### IP200UHD-RX



### IP200UHD-TX



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

## IP200UHD-TX



### TX - Key Features

- Advanced UHD video over 1Gb Network
- Virtually unlimited system size
- Extends HDMI up to a distance of 100m over a single CAT 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 all known HDMI audio formats including 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 products from a PoE switch
- HDCP 2.2 compliant with advanced EDID management

- Analogue L/R audio embedding
- Analogue L/R audio breakout
- Local 24-56V power supply (should Ethernet switch not support PoE) - sold separately
- 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.*

### TX - Connectivity

- **Video input:** 1 x HDMI Type A, female
- **Video output:** 1 x LAN RJ45 connector
- **Latency:** 1 Frame (16-33ms depending on frame rate)
- **Audio input:** 1 x 3.5mm L/R Analogue audio
- **Audio output connectors:** 2 x RCA L/R Analogue audio
- **Ethernet port:** 1 x LAN RJ45 connector
- **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

### TX - Specifications

- **Shipping Weight:** 0.8kg
- **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 114mm x 25mm
- **PoE draw:** 6.0W (typical), 7.2W (max load)

### TX - Included Accessories

|                |                  |
|----------------|------------------|
| IR Accessories | 1 x IRR, 1 x IRE |
| Rack Mount     | Wings            |

### TX - Control

|         |
|---------|
| App*    |
| RS-232* |
| IR*     |
| TCP/IP* |

\*ACM200 required

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## IP200UHD-RX



### RX - Key Features

- Advanced UHD video over 1Gb Network
- Virtually unlimited system size
- Extends HDMI up to a distance of 100m over a single CAT cable
- Video up-scaling and down-scaling
- Supports up to 4K 30Hz UHD video output
- Supports all known HDMI audio formats including 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 products from a PoE switch
- HDCP2.2 compliant with advanced EDID management
- Analogue L/R audio breakout
- LAN loop out for one-to-many extender mode
- Local 24-56V power supply (should Ethernet switch not support PoE) - sold separately
- 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.*

### RX - Connectivity

- **Video input:** 1 x LAN RJ45 connector
- **Video output:** 1 x HDMI Type A, female
- **Latency:** 1 Frame (16-33ms depending on frame rate)
- **Audio output connectors:** 2 x RCA L/R Analogue audio
- **Ethernet port:** 1 x LAN RJ45 connector (video extension)
- **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

### RX - Included Accessories

|                |                  |
|----------------|------------------|
| IR Accessories | 1 x IRR, 1 x IRE |
| Rack Mount     |                  |

### RX - Specifications

- **Shipping Weight:** 0.8kg
- **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 114mm x 25mm
- **PoE Draw:** 7.0W (typical), 8.3W (max load)

### RX - Control

|              |
|--------------|
| App*         |
| RS-232*      |
| IR*          |
| TCP/IP*      |
| Front Panel* |

*\*ACM200 required*

### Regulatory Compliance



CAN ICES-3 (B)/NMB-3(B)

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