



# IP 7000RX

## HDMI or VGA Video Receiver (4K) over IP/CEC/PoE



The IP-7000RX, one part of a 4K UHD Multi-Function Extension system, is able to extend HDMI or VGA signals along with KVM through Cat.5e/6/7 network cable and transmit UHD video signals, audio and USB up to 100m on a single cable. The transmission distance can be further extended (up to 100m per segment) by using gigabit network switches, allowing the user to cascade the system without signal loss or introducing delay.

IP-7000RX also allows you to send a single AV signal to a large number of Receivers within the same local network. Additionally, that same multicast signal can be used to create large multi-display video walls with amazing simplicity. This system is perfect for both residential and commercial installation environments.

The USB functionality allows the system to act like a remote USB hub which, when combined with the video extension feature, provides a flexible remote KVM platform. Configuration information is provided via the On-Screen Display (OSD) on the Receivers and both unit types can be controlled via front panel buttons, WebGUI, Telnet, and the AV over IP Master Controller.

### PANELS

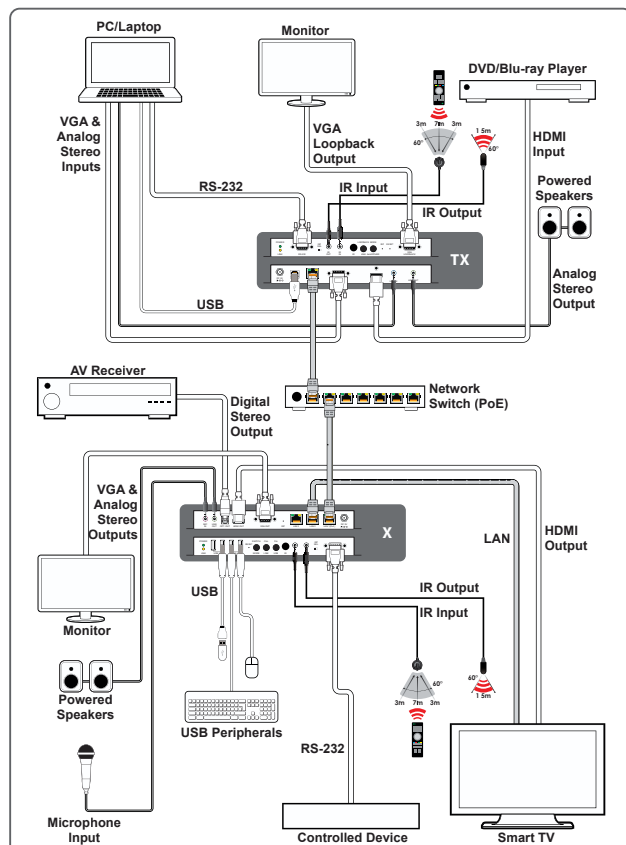


Front View



Rear View

### DIAGRAM



### FEATURES

- Video, audio and control reception over TCP/IP in Unicast (point-to-point) or Multicast (single-to-many, many-to-many) modes
- Support video wall with 180° and 270° rotation
- Video output can be scaled to a selected resolution, or left unscaled
- The analogue Line In on a connected Transmitter will send audio directly to this Receiver's analogue Line Out as well as being embedded into the HDMI output signal
- The Mic In on the Receiver sends audio directly to the analogue Line Out on the Transmitter
- May be powered directly by PoE when connected to a Gigabit Ethernet switch that provides PoE (802.3af)
- Includes 3 LAN ports, allowing multiple Receivers to be daisy chained without the need for an external Gigabit Ethernet switch
- Supports USB keyboard, mouse and storage extension

### SPECIFICATIONS

#### Interfaces

|                     |                                                                                     |
|---------------------|-------------------------------------------------------------------------------------|
| Input Port          | 1 Analogue Mono (3.5mm)                                                             |
| Output Port         | 1 HDMI (Type-A)<br>1 VGA (HD-15)<br>1 S/PDIF (TOSLINK)<br>1 Analogue Stereo (3.5mm) |
| Bi-directional Port | 3 GbE LAN (RJ-45)                                                                   |
| Control I/O         | 1 IR Extender (3.5mm)<br>1 IR Blaster (3.5mm)<br>1 RS-232 (DB-9)<br>4 USB (Type-A)  |

#### Video

|                    |                             |
|--------------------|-----------------------------|
| HDMI Compliance    | HDMI 2.0 (DVI 1.0)          |
| HDCP Compliance    | 2.x                         |
| Input Signal Type  | 4096x2160p@60 8bit YUV4:2:0 |
| Output Signal Type | 4096x2160p@30 8bit RGB      |

#### Resolutions

|                |                 |                 |
|----------------|-----------------|-----------------|
| Maximum Input  | LAN (Streaming) | 4096x2160p@30   |
| Maximum Output | HDMI            | 4096x2160p@30   |
|                | VGA             | 1920x1200p@60RB |

#### Audio

|                 |                        |                                                       |
|-----------------|------------------------|-------------------------------------------------------|
| Digital Formats | HDMI                   | LPCM (8 Channels), Bitstream, High Bit Rate Bitstream |
|                 | Line Out / Optical Out | LPCM (2 Channels), Bitstream                          |
| Line Level      | Mic In                 | 300 mVrms, S/N Ratio: > 80dB (1kHz with 0dBFS)        |
|                 | Line Out               | 2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS)           |

#### Power

|                   |                           |
|-------------------|---------------------------|
| Power Supply      | 5V/4A DC (Locking) or PoE |
| Power Consumption | 17.68W                    |

#### Enclosure

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| Chassis Material   | Metal (Steel)                                                        |
| Chassis Colour     | Black                                                                |
| Dimensions (W×H×D) | 231.5mm×25mm×108mm [Case Only]<br>231.5mm×25mm×120mm [All Inclusive] |
| Weight             | 666g                                                                 |

#### Field Firmware Update

WebGUI

### ORDERING INFORMATION

| Model No.   | Product Description                                          |
|-------------|--------------------------------------------------------------|
| IP-7000RX   | HDMI or VGA Video Receiver (4K) over IP/CEC/PoE              |
| IP-7000TX   | HDMI or VGA Video Transmitter (4K) over IP/CEC/PoE           |
| IP-7000TXWP | HDMI or VGA Video Wallplate Transmitter (4K) over IP/CEC/PoE |
| IP-CS7      | IP System Controller & Configurator                          |
| IP-A750TX   | Audio over IP Transmitter                                    |
| IP-A750RX   | Audio over IP Receiver                                       |