CYP/// IP-9000TX
1G 4K60 AV over IP Transmitter with USB & PoE

This unit supports both Unicast and Multicast modes, enabling video wall and USB roaming in Multicast mode. It supports the transmission of Ultra High-Definition signals (up to 4K@60Hz RGB) with audio and USB 2.0 up to 100m on a single cable which allows connection of USB flash drives, keyboard, and mouse. 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. Moreover, it supports IP to IR and IP to RS-232, converting the IP signal into IR and RS-232 commands for device control.

When the extension system's units are in multicast mode, a single transmitter's AV signal can be sent to a large number of receivers within the same local network without the additional receivers causing the bandwidth requirements to increase. Additionally, that same multicast signal can be used to create large multi-display video walls with amazing simplicity. When combined with the optional IP Master Controller (IP-CS9000) the functionality of the system expands exponentially. Its centralised web-based interface greatly simplifies control and management of large distributed video matrix or video wall systems adding to their flexibility in large home or commercial installations.

This system also features bi-directional IR and RS-232 pass-through, analogue line level in/out, and a microphone input (on the receiver), providing the user with a variety of audio options. The USB functionality allows the system to act like a remote USB hub which, when combined with the HDMI input/output feature, provides a flexible remote KVM platform. Configuration information is provided via On Screen Display (OSD) and control is by WebGUI, IP Master Controller, and Telnet.

PANELS

Front View

Rear View

FEATURES

- 4K@60 1Gbps AV over IP transmitter in Unicast or Multicast mode
- Full 4K60 4:4:4, HDR10, HDR10+, Dolby Vision & HLG compatible
- Less than one frame of latency at 4K 60Hz
- IP interface: RJ45
- Supports KVM over IP (USB flash drive, USB web cam (isochronous/Bulk), keyboard and mouse) and USB roaming
- Supports PoE-PD (IEEE 802.3af)
- Bi-directional IR and RS-232 pass-through
- Controlled via WebGUI, IP Master Controller, and Telnet
- 1×HDMI input, 1×HDMI loopback output
- Supports the use of an external control system (IP Master Controller) to provide expanded functionality (Contact your authorised dealer for more information)
- Supports independent breakaway A/V and control matrix routing
- Supports extension of many audio formats including 8 channel LPCM and standard Bitstream
- The analogue Line In is automatically embedded in the streaming output and can be independently routed to any receiver
- Optional Dante ReadyTM is compatible with existing Dante and AES67 audio networks
- Dante Ready brings Dante functionality to products already shipping and installed in sites.
- Channels and features can be added as an installation grow

SPECIFICATIONS

TX
Interfaces

Input Port	1×HDMI (Type-A) 1×Stereo Audio (3.5mm)
Output Port	1×HDMI (Type-A) 1×Mono Audio (3.5mm)
Input/Control Port	1×GbE LAN (RJ-45)
Pass-through Port	1×IR Extender (3.5mm) 1×IR Blaster (3.5mm) 1×RS-232 (Type-C) 1×USB 2.0 (Type-A)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)	
HDCP Compliance	HDCP2.2	
Input Signal Type	4096x2160p@60 8bit RGB	
Output Signal Type	4096x2160p@60 8bit RGB	
		Resolutions
Maximum Input	HDMI	4096x2160p@60
Maximum Output	LAN(Streaming)	4096x2160p@60

Audio

Digital Format	HDMI	LPCM (8Channels), Bitstream, High Bit Rate Bitstream
	Line In/Out	LPCM (2 Channels)
Line Level	Line In	2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS)
	Line Out	2 Vrms, S/N Ratio: > 80dB (1kHz with 0dBFS)

Power

Power Supply	PoE (802.3af) or 12V/1.25 A
Power Consumption	7.19W

Enclosure

Chassis Material	Metal (Steel)
Chassis Colour	Black
Dimensions (W×H×D)	231.5mm×25mm×108mm [Case Only] 231.5mm×25mm×120mm [All Inclusive]
Weight	660g

Field Firmware Update
WebGUI

ORDERING INFORMATION

Model No.	Product Description
IP-9000TX	1G 4K60 AV over IP Transmitter
IP-9000RX	1G 4K60 AV over IP Receiver
IP-CS9000	IP Master Controller

DIAGRAM