4K60Hz HDMI 1G AV over IP Decoder

No.WST-PIP007



Introduction

The WST-PIP007 is the decoder of the 1G AVoIP Series, supporting video input resolutions up to 4K@60Hz as well as Dolby Vision, HDR10, and HLG content.

The series supports both Ethernet and fiber-optic transmission, providing flexible deployment options for a wide range of AV-over-IP network environments. Ultra-low-latency transmission and fast matrix switching ensure a smooth and responsive AV experience.

Its powerful routing engine allows video, audio, USB, and control signals to be routed independently to any endpoint, providing greater flexibility for system design and integration.

System configuration and status information can be displayed through the On-Screen Display（OSD）. The system can be conveniently managed via hotkeys, WebGUI, the IP Master Controller, or Telnet.

With versatile signal-routing capabilities, flexible control options, and scalable network architecture, the WST-PIP006 and the 1G AVoIP Series provide a cost-effective and optimized solution for modern professional AV infrastructures.

Key Features

- Supports 4K@60Hz AV over IP over 1Gbps networks in point-to-point or multipoint configurations
- Supports DTS:X and Dolby Atmos audio pass-through.
- Dual RJ-45 and SFP interfaces support copper or fiber networks.
- Supports USB over IP for flash drives, keyboard/mouse control, and multi-window collaboration.
- Supports PoE in compliance with IEEE 802.3af
- Supports IP-to-IR and RS-232 control.
- Control via hotkeys, WebGUI, IP master controller, or Telnet.
- OSD source selection and preview with authorized encoder access.
- Routes encoder Line In audio to decoder Line Out, Toslink Out, and HDMI output simultaneously.
- Routes decoder Mic In audio to encoder Line Out.
- Fast source switching for responsive operation.
- TAA compliant, Made in Taiwan

Package Contents

Decoder x 1 | 12V/3A Multi-Country Power Adapter x 1 | 3-Pin Phoenix Connector x 1 | IR Emitter cable x 1 | IR Receiver cable x 1 | Ear Mount Set x 1

Related Products

Item No.	Description
WST-PIP006	4K60Hz HDMI 1G AV over IP Encoder
WST-PIP008	1G AV over IP Master Controller

Specifications

Model No	
Video Input	Ethernet Port（RJ-45）x 1 SFP Slot（Module not including）x 1
Video Output	HDMI Type-A（Female）x 1
Audio	Analog Audio Line In（3.5mm Jack） [LINE IN] x 1 Analog Audio Line Out（3.5mm Jack） [LINE OUT] Optical (Toslink) Port x 1
Control I/O	IR IN（3.5mm Jack）x 1 / IR OUT（3.5mm Jack）x 1 RS-232（3-Pin Phoenix Terminal Block）x 1 USB2.0 Type-A HUB x 2 / USB1.1 Type-A HID x 2
Transmission	
HDMI Compliant	HDMI2.0（DVI1.0）
HDCP Compliant	1.4 / 2.2
Max. Output	HDMI：4096x2160@60Hz（YUV 4：4：4, YUV 4：2：2, RGB）
IR Frequency	30 ~ 50kHz
Baud Rate	115200bps
Power	
Power supply	DC 12V/3A（DC Plug：5.5/2.1 with Locking）| PoE 802.3af PoE
Max. Power Consumption	8.5W
Environment	
Operating Temperature	0° C ~ 40° C
Storage Temperature	- 20° C ~ 60° C
Product Structure	
Main Material	Iron
Size W x D x H	221 x 105.3 x 26 mm
Package	
Package Style	Box
Barcode EAN	4710582481321
Weight	1260g
Country of Origin	Taiwan
Certification	
Safety & Emission	CE / FCC / RoHS / REACH

Panel Overview



Connection Diagram

