

## 1G AV over IP Master Controller

No.WST-PIP008



## Introduction

The WST-PIP008 is a 1G AVoIP Master Controller designed to centrally manage all Encoders and Decoders within the same 1Gbps Gigabit Ethernet network. No additional software or dedicated PC is required—simply connect an HDMI display, USB keyboard, and mouse to configure and manage the entire system. The controller also features Ethernet, RS-232, and Trigger interfaces for seamless integration with third-party control systems.

The WST-PIP008 provides live preview of all Encoder sources and uniquely supports live source thumbnail previews in the Decoder OSD, allowing users to quickly identify and switch video sources. Built-in USB KVM over IP enables remote computer control using a keyboard and mouse connected to the Decoder, improving operational efficiency.

For secure and reliable operation, the controller supports three-level user access control, group management, 128-bit SSL encryption, and Master-Slave Replication Failover, which automatically synchronizes system settings to a backup controller and ensures uninterrupted operation in mission-critical AV applications.

## Key Features

- Supports dual-network architecture (Control / AV Network)
- Built-in WebGUI for management without software installation
- Centralized management of all encoders and decoders
- Real-time encoder thumbnail previews with drag-and-drop source switching
- Exclusive real-time thumbnail previews via decoder OSD
- Remote control via USB over IP
- Supports three-tier access permissions and group management
- Supports 128-bit SSL encryption
- System event and operation logging
- Independent control of individual I/O ports on encoders and decoders
- Primary/secondary failover redundancy
- TAA compliant and made in Taiwan

## Package Contents

Controller x 1 | 12V/3A Multi-Country Power Adapter x 1 | Rackmount Ears Set x 1

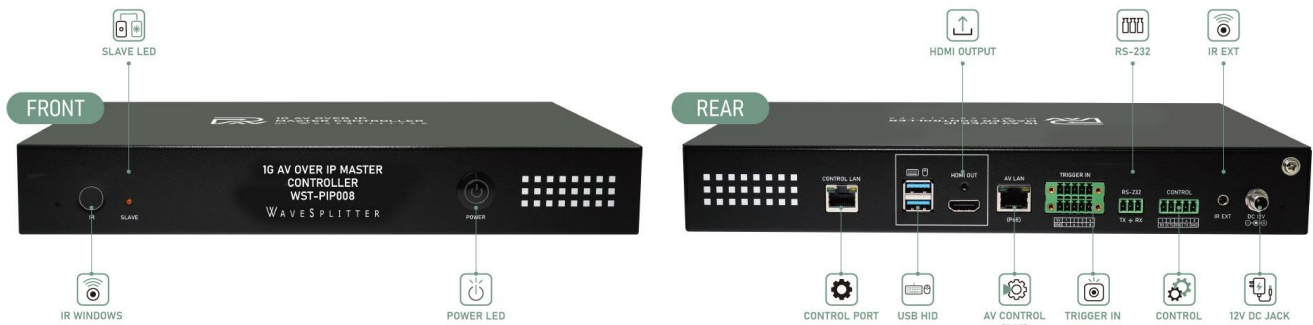
Related Products

| Item No.   | Description                       |
|------------|-----------------------------------|
| WST-PIP006 | 4K60Hz HDMI 1G AV over IP Encoder |
| WST-PIP007 | 4K60Hz HDMI 1G AV over IP Decoder |

Specifications

| Model No               |                                                             |
|------------------------|-------------------------------------------------------------|
| Video Output           | HDMI Type-A (Female) x 1                                    |
| Control I/O            | Control Port (RJ-45) x 2 (AV Network / Control Network)     |
|                        | 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. Resolution        | HDMI : 4096x2160@60Hz (YUV 4 : 4 : 4, YUV 4 : 2 : 2, RGB)   |
| IR Frequency           | 30 ~ 50 kHz                                                 |
| Baud Rate              | 115200bps                                                   |
| Power                  |                                                             |
| Power supply           | 12V/3A (DC Plug : 5.5/2.1mm 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         | 221.0 x 105.3 x 26.0 mm                                     |
| Weight                 | 643.0g                                                      |
| Country of Origin      | Taiwan                                                      |
| Certification          |                                                             |
| Safety & Emission      | CE / FCC / RoHS / REACH                                     |

## Panel Overview



## Connection Diagram

