MY SMART CLASSROOM

MediaWall Pro 4K

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Introduction

The 4K AV over IP Matrix, Video Wall, and Multiview System is a versatile HDMI extender with integrated transmitter and receiver functions, switchable via PC software. Its LCD display simplifies setup by showing key system details. Dual power options (DC and PoE) enable flexible installations. With features like HDMI loop-out, RS232/RS485 control, and audio embedding, it supports seamless switching, previewing, and multi-view setups for commercial, residential, and governmental applications.

Features

- **All-in-One Design:** Combines transmitter and receiver in a single unit, switchable via software.
- **High-Resolution Support:** Up to 4K30 resolution over distances up to 150m.
- **Flexible Control:** Manage via Windows software, Android/iOS app, or TCP/UDP commands.
- **Advanced Video Processing:** Supports matrix switching, video wall control, and multiview up to 16 windows per screen.
- **Audio & Control Integration:** Includes RS232, RS485, Relay, I/O ports, and audio in/out.
- **Power Options:** Supports both PoE and DC power supply for flexible deployment.
- **Customization:** Customizable control interface for tailored system management.
- **Protocol Compatibility:** Supports ONVIF, RTSP, and H.264/H.265 standards.

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Product Specifications

Feature	Descriptions
Specifications	
Control	3rd Party Control by TCP/ UDP Windows PC software, Android/iOS APP
Audio	3.5mm Line in/out, or HDMI audio
Video	HDMI1.4, HDCP1.4, resolution up to 4K30 in and out
Product dimension	175*110.5*25 (L*W*H)(mm)
IP	Bandwidth up to 20Mbps Manually static IP address Protocol H.264/265 Latency 80~120ms
Humidity	10-90%
Temperature	-20°C~+60°C
Front panel	
OLED Screen	Showing the model, ID, IP, status
Indicators	**PWR:** power indicator **SYS:** System indicator **LINK:** LAN cable connection indicator **HDMI:** HDMI signal status
Back panel	
Power	DC 12V 1A
Audio	1*3.5mm IN 1*3.5mm out
Video	1*Type-A HDMI
LAN	1*RJ-45 (PoE)
Control	1*RS232 phoenix connector 1*RS485 phoenix connector 1*Replay phoenix connector 1*I/O phoenix connector
USB	2*USB-B ports for Keyboard&mouse or PC host

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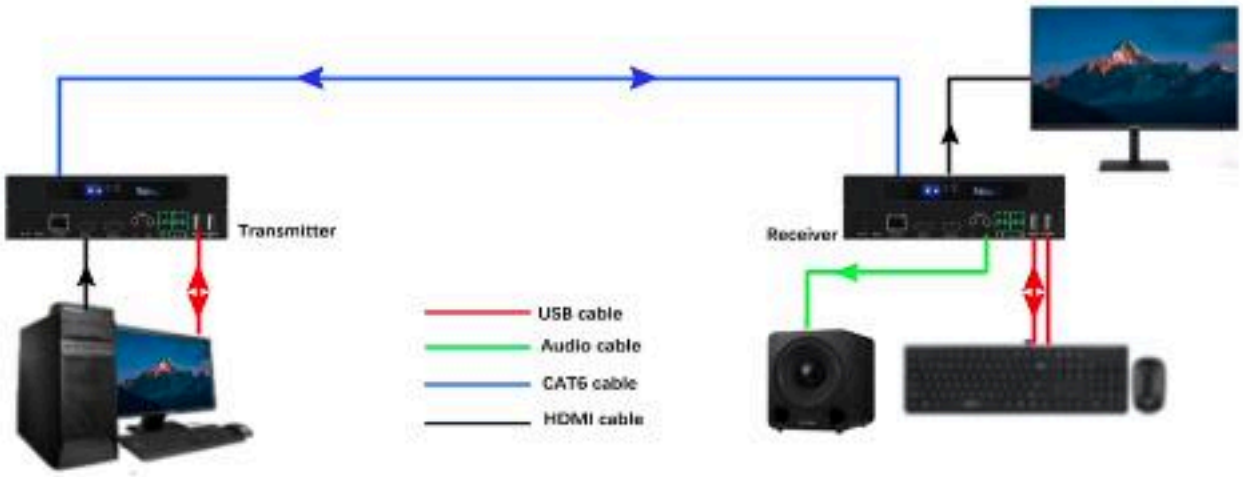
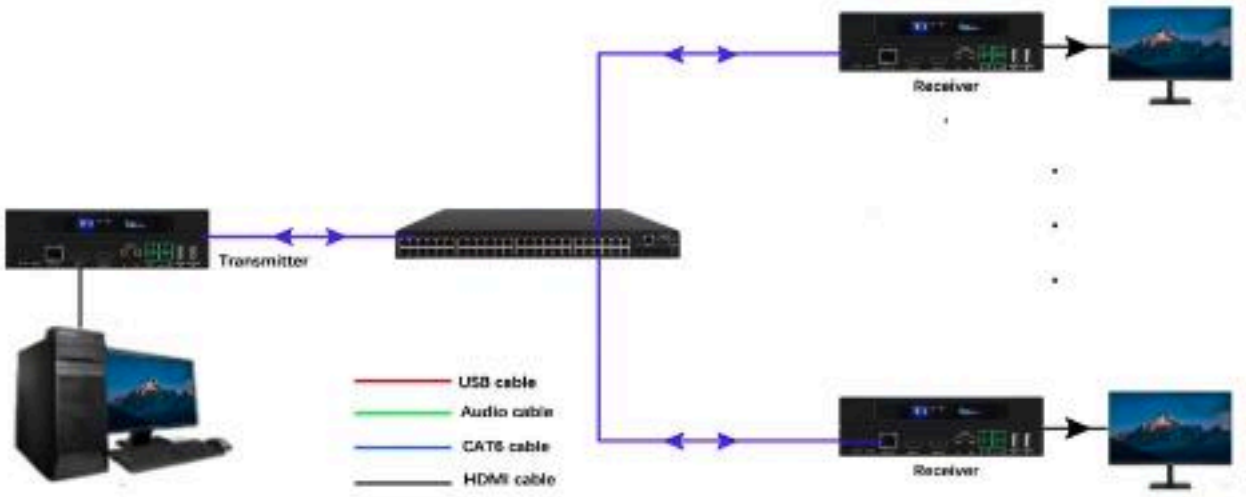
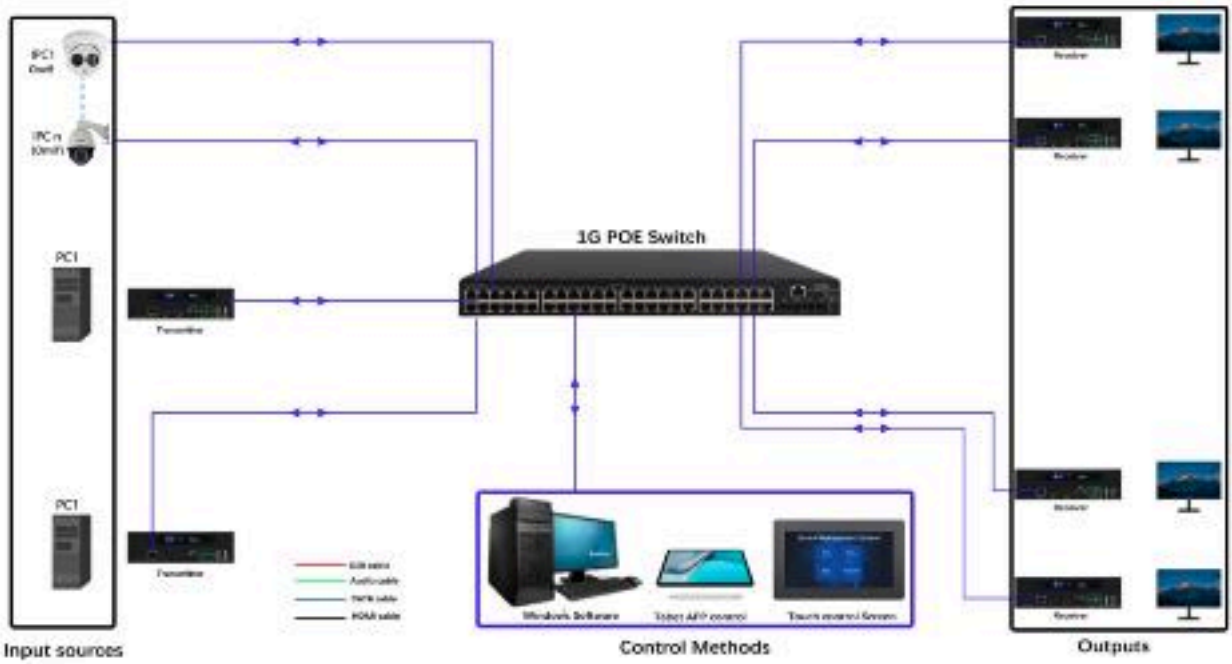
Connection Diagram



Working as Distribution, one to many

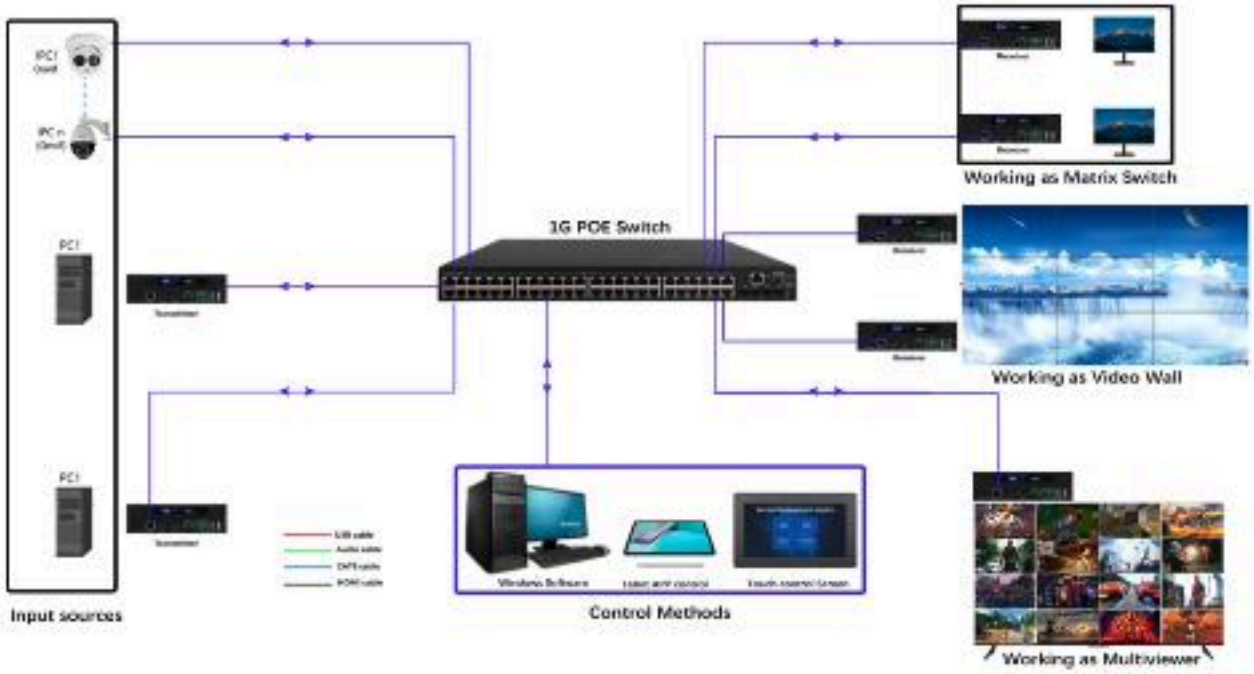
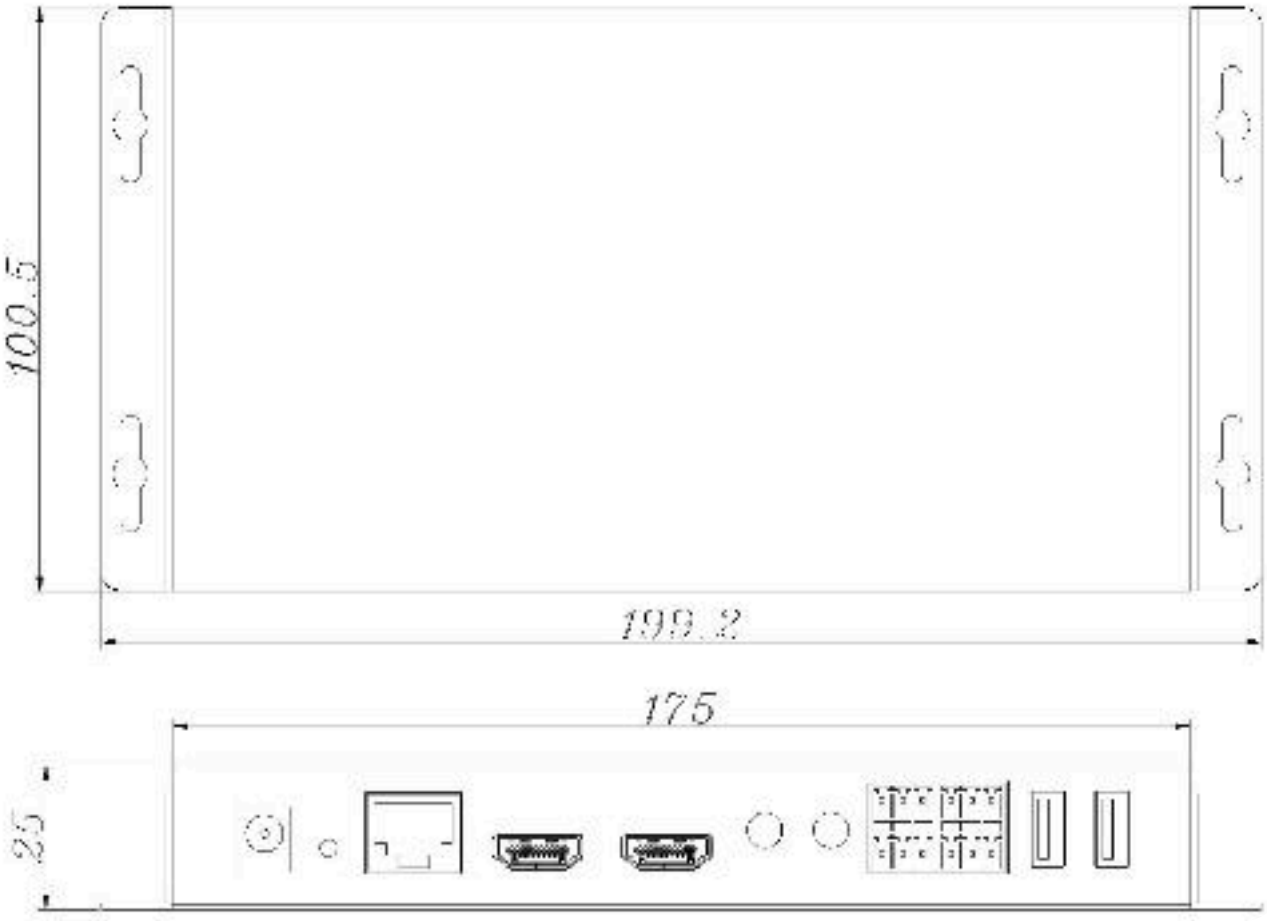


Working as Matrix Switcher, Many to Many



Working as Video Wall Processor and Multiviewer:

Connection Diagram



Product dimension(L*W*H)(mm)