MuxLab

Technical Spec sheet



HDMI over IP PoE Seamless Transmitter, 1080P

500864-TX

HDMI | Over IP | Multi-view | VideoWall

Overview

The HDMI over IP PoE Seamless Transmitter, 1080P (model: 500864-TX) allows HDMI source equipment to be extended locally up to 330ft (100m) at up to 1080P @ 60Hz resolution via Cat5e/6 cable and is compatible with the MuxLab 500864-RX receivers to support point-to-point, point-to-multipoint and multipoint-to-multipoint configurations, Video Wall and Multiview capabilities in a low bandwidth expandable and cost effective manner, without the need to install dedicated cabling systems. The exceptionally low bandwidth requirements of this device combination allows for streaming audio/video content over a local network, over WiFi, and over the Internet for distributed installations spread throughout the globe. The transmitter accepts a 1080P video @ 60Hz and streams the content to an H.264/H.265 receiver to be displayed on a 1080P monitor. The device supports PoE (PD) and may be powered by a PoE (PSE) Ethernet Switch.

Applications

- Audio/Video Streaming over LAN, Wifi and Internet
- Commercial and residential AV systems
- Classroom projector systems
- Digital signage
- Boardroom systems
- Medical information systems

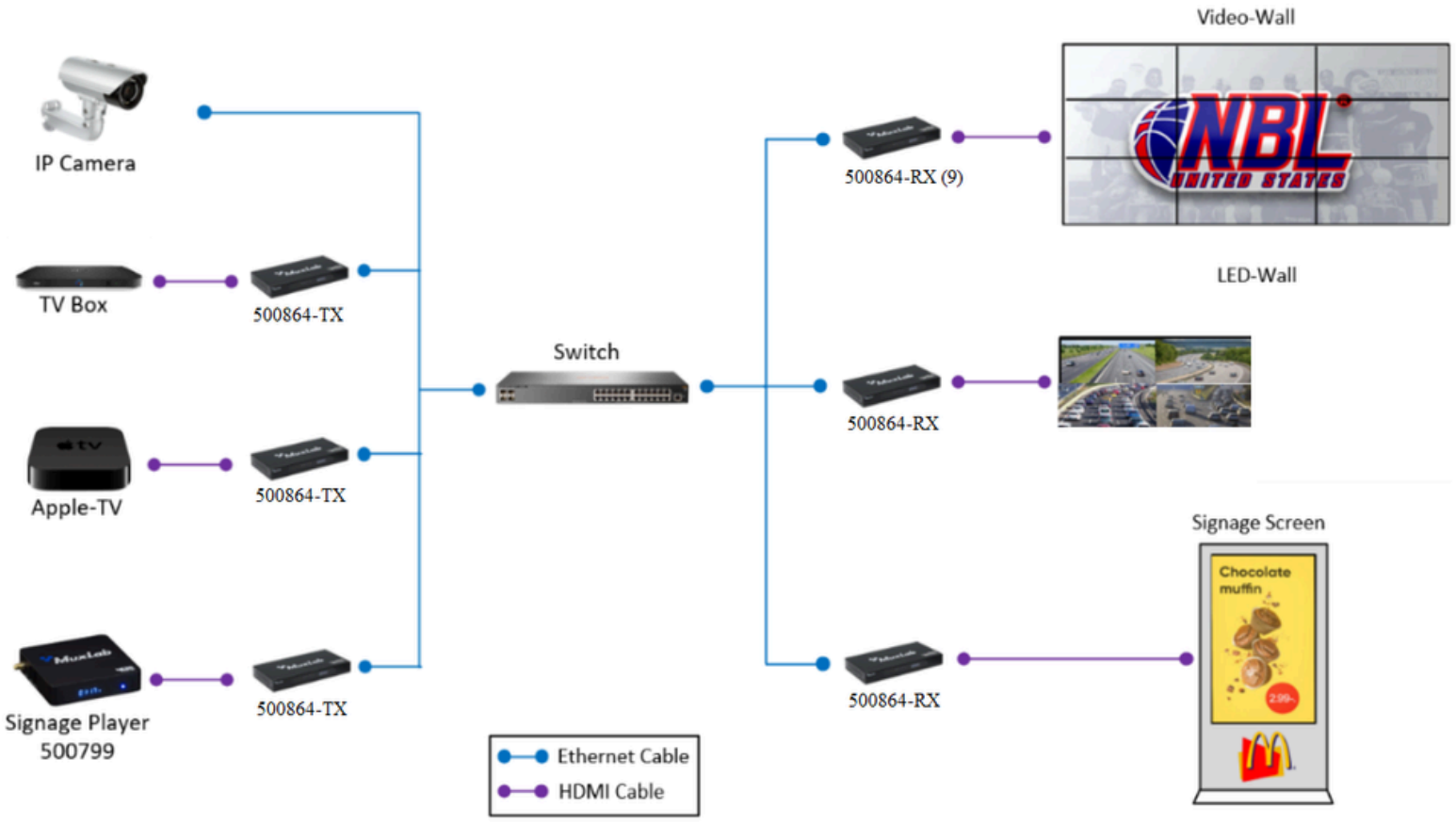
Key Features

- Supports up to 1080P @ 60Hz video streams
- H.264/265 video codec, excellent for LAN and Internet transmission
- High image quality and ~80ms latency
- Supports seamless switching
- Supports Video Wall
- Supports Multiview with up to 4-windows per screen
- RS232, USB and infrared for remote control of end devices
- PoE powered, via PoE (PSE) Ethernet Switch
- Managed via Muximus Network Controller (500813)

Specification

Technical	
Environment	HDMI 1.4
Devices	Blu-Ray, Set Top Boxes, projectors, monitors, TVs, PCs, supporting HDMI.
Signal Protocol/Standard	HDMI 1.4 and HDCP 1.4
Video Resolution	Up to 1080P/60
Audio	Phoenix connector Line in, or HDMI audio
Latency	80 ~ 120ms
Network Bandwidth	Up to 12Mbps
Protocols	Supports Multicast, RTSP
Compression	Supports H.264/265
Front Panel	
Indicators	Power: Power indicator Sys: System indicator Link: LAN cable connection indicator HD: HDMI signal status
OLED Screen	Showing the Model, ID, IP, status
Rear Panel	
Video	1 x HDMI Type-A
Control Ports	1 x RS232 phoenix connector 1 x 3.5mm IR Sensor 1 x 3.5mm IR Emitter
Audio	1 x Audio phoenix connector Input
LAN	1 x RJ45 (PoE)
USB	1 x USB-B ports for PC host
Power	12VDC 1A
General	
Control	• Muximus Network Controller • 3rd Party Control by TCP/ UDP • Windows PC software, Android/iOS APP
Power Source	This device supports PoE (PD), an external power supply is not included. It is intended to be powered via a PoE (PSE) Ethernet Switch. If required, an optional power supply (500988) may be purchased separately.
Power Consumption	<10W
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 90% non-condensing
Dimensions	LxWxH (155mm x 95mm x 25mm)
Weight	1.2lbs (0.54kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500864-TX HDMI over IP PoE Seamless Transmitter, 1080P (UPC: 627699908648)
Accessories (These items are sold separately)	500988 Univ. PSU 12VDC/2.0A Lock US/UK/EU 500926 14 Port Rackmount Transceiver Chassis 4.5U

Application Example



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