HDMI over IP H264/H265 PoE Receiver, 4K60

500762-RX-V2

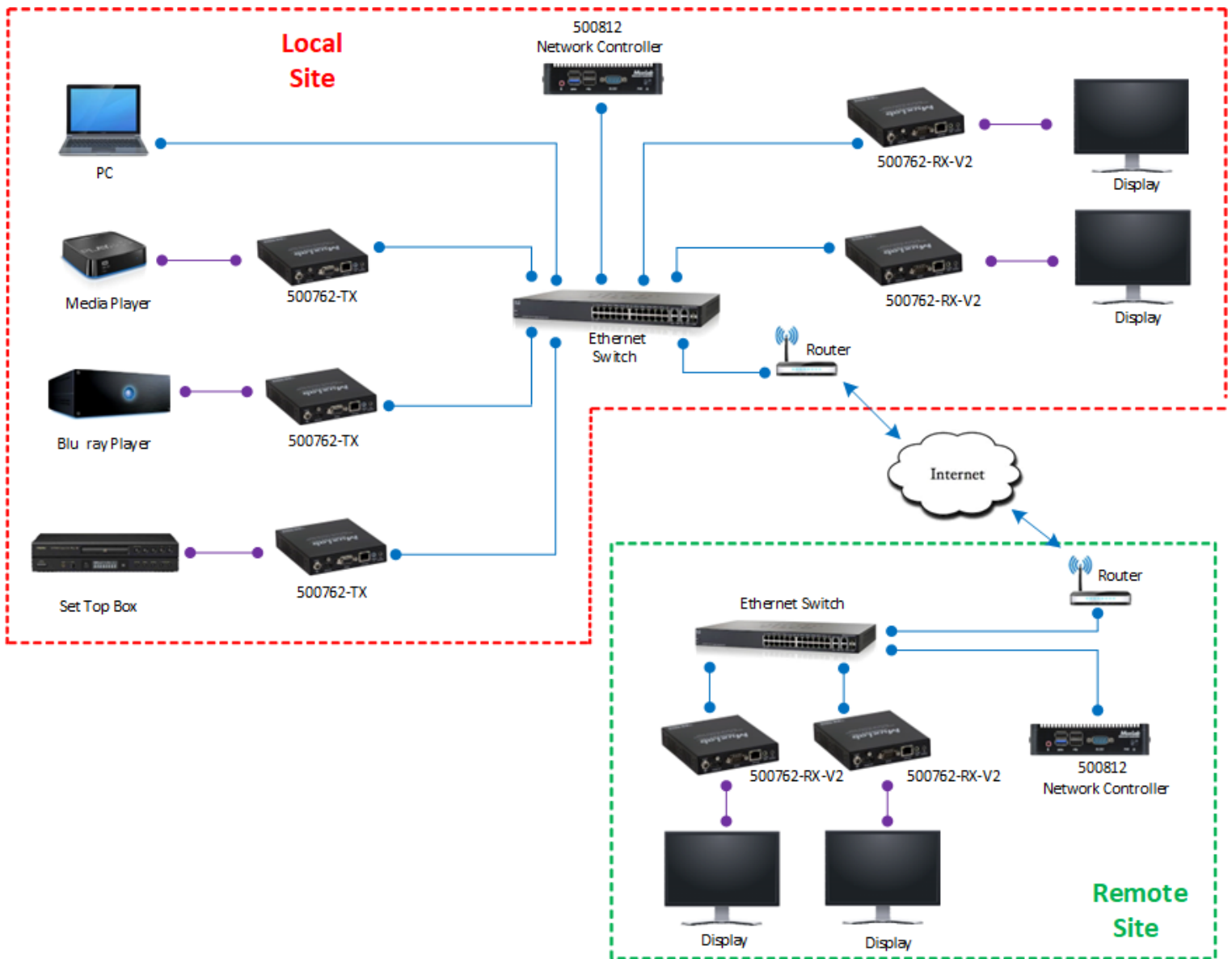HDMI | 4K60 ULTRA HD | 2 Way IR | PoE

Overview

The HDMI over IP H.264/H.265 PoE Receiver, 4K60 (model: 500762-RX-V2) in combination with a 500762-TX, 500763-TX or 500764-TX transmitter allows HDMI source and display equipment to be extended locally up to 330ft (100m) at up to 4K/60Hz resolution via Cat5e/6 cable in point-to-point, point-to-multipoint and multipoint-to-multipoint configurations via a local Ethernet network, and supports Video Wall and Multiview capabilities in a low bandwidth, flexible, 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, and over the Internet for distributed installations spread-out throughout the globe. The Receiver can accepts a 1080p/60Hz video streams and up-scale the signal up to 4K/60Hz to be displayed on a 4K monitor. The Receiver also accepts H.264/H.265 video streams from other transmitting devices of up to 4K @ 60Hz. These devices support PoE (PD) and may be powered by a PoE (PSE) Ethernet Switch.

Applications

Key Features

- Supports up to 4K @ 60Hz (4:4:4) video streams
- Supports up-scales 1080p @ 60Hz video streams from Transmitter and other devices up to 4K @ 60Hz
- Supports Video Wall and Multiview capabilities
- H.264/265 video codec, excellent for LAN and Internet transmission
- Supports SPDIF (TosLink) Audio Out
- RS232 and Directional IR for remote control of end-devices
- PoE powered, via PoE (PSE) Ethernet Switch
- Managed via Pro Digital Network Controller (500812), and Muximus Network Controller (500813)

Specification

Technical	
Environment	HDMI 2.0
Devices	Blu-Ray, Set Top Boxes, projectors, monitors, TVs, PCs, supporting HDMI.
Signal Protocol/Standard	HDMI 2.0 and HDCP 2.2
Video Bandwidth	594MHz
Network Bandwidth	32Mbps
Latency	<200ms (in low latency mode with H.265)
Protocols	RX: Supports Multicast, RTSP, HLS, FLV & TS
Connectors	One (1) HDMI connector for AV (Output) One (1) RJ45S for Ethernet connection One (1) USB 3.0 connector for future capabilities One (1) TosLink optical connector for digital audio extraction One (1) 3.5mm connector for audio extraction One (1) 3.5mm connector for directional IR (direction controllable via software) One (1) RS232 DB9 connector for controlling end devices One (1) 2.1mm locking power connector
Maximum Distance	Cat5e/6: 330ft (100m) from Ethernet Switch. Unlimited over the Internet **Note**: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connection reduces the effective distance depending on the grade of twisted cable used.
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 (500993) may be purchased separately.
PoE	IEEE 802.3af
Power Consumption	4.5W
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Dimensions	4.4" x 3.6" x 1.0" (111mm x 92mm x 25mm)
Weight	0.9lbs (0.4kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500762-RX-V2 HDMI over IP H.264/H.265 PoE Receiver, 4K60 (UPC: 627699817629)
Accessories (These items are sold separately)	500920 16-Port Rackmount Transceiver Chassis 500917 Wall Mount Transceiver Bracket Kit 500990 IR Emitter, and 500994 IR Sensor 500993 Univ. Locking Power Supply 5VDC/2.6A US/UK/EU Blade

Application Example

Local Site

500812
Network Controller

PC

Media Player

500762-TX

Blu ray Player

500762-TX

Set Top Box

500762-TX

Ethernet Switch

Router

500762-RX-V2

Display

500762-RX-V2

Display

Internet

Remote Site

Router

Ethernet Switch

500762-RX-V2

500762-RX-V2

500812
Network Controller

Display

Display