

## **Overview:**

The AV over IP 4K/60 Uncompressed Extender, UTP allows HDMI source equipment supporting up to 4K @ 60Hz resolution to be connected and extended to create a 4K/60 HDMI based Video Wall, Virtual Matrix Switch, and Virtual Splitter arrangements of user configurable size (X by Y) supporting 100's of screens, depending on network bandwidth, utilizing one Receiver for each display in the array. Each Transmitter (500760-TX) and Receiver (500760-RX) can be connected via Cat5e/6 cable up to 330ft (100m) from a 10Gig Ethernet Switch.

The units come with a power supply, an IR Sensor (for TX) and an IR Emitter (for RX) for IR based remote control applications, and a wall mount bracket kit for securing the unit to a wall.

The MuxLab Pro Digital Network Controller is available to simplify centralized configuration and control, software updates and allows for connectivity management from MuxControl and other third party applications running on smartphones and tablets.



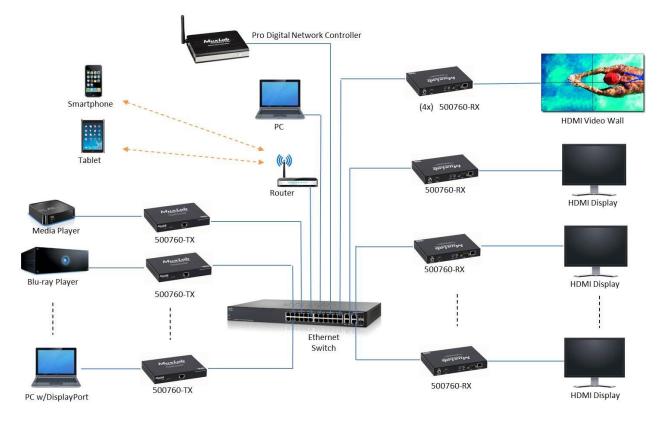
## **Key Features:**

- Supports HDMI up to 4K/60 on Transmitter and Receiver
- Uncompressed up to 4K/60 (4:2:0), and light compression
- visually lossless at (4:4:4) (with zero latency)
   Supports Video Wall, Virtual Switch & Splitter configurations
- Supports point-to-point, point-to-multipoint and multipoint-tomultipoint applications
- Transmission up to 330ft (100m) over Cat5e/6
- 1G Ethernet Switch port to connect network devices
- Supports RS232 and IR transmission for remote control
- Managed via Pro Digital Network Controller, MuxControl Smartphone & Tablet App, and third party Apps

Specifications	
Environment	HDMI 2.0
Devices	Blu-Ray, projectors, monitors, TV, PC, laptops, and media servers supporting HDMI.
Bandwidth	594MHz
Signals	HDMI 2.0 and HDCP 2.2
Connectors Note: Cables not included.	Connectors per TX and RX: One (1) HDMI receptacle. Two (2) RJ45S for Cat 5e/6 unshielded or shielded twisted pair (for 10GbE and 1GbE ports). Two (2) 3.5mm jacks for IR emitter and IR sensor. One (1) DB9 connector for RS232. One (1) 2.1mm power jack (for DC power).
Maximum Distance	Cat5e/6: 330ft (100m) up to 4K @ 60Hz
Maximum Distance Based on a maximum length of 6.6ft (2m) of HDMI cable per end.	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.
Latency	Zero latency (undetectable in human terms)
Compression	Uncompressed up to 4K/60 (4:2:0), and light compression for 4K/60 (4:4:4) only
Network Bandwidth	< 10Gbps
Network Requirement	10Gig Network XFI, IEEE 802.3
IR Frequency	38 to 56KHz
RJ45 Pin Configuration Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.	RJ45 Link         Pais New Two Pais         Pais 7 New Two Pais         Pais 7 New Two Pais           Pin 1 (R)         Pin 2 (T)         Pin 3 (R)         Pin 6 (T)           Pin 4 (R)         Pin 5 (T)         Pin 7 (R)         Pin 8 (T)
Cable	One (1) Cat 5e/6 or better twisted pair cables required
Power Source	Input: 100-240V/1.5A (max) @ 50-60Hz Output: 5DC @ 4A Includes appropriate power cord for region (US, UK or Euro)
Power Consumption	Transmitter: 16 Watts Receiver: 16 Watts
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Dimensions	6.3" x 4.8" x 1.0" (160mm x 122mm x 25mm)
Weight	1.38lbs (0.63kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	500760-TX-US       AV over IP 4K/60 Uncompressed Transmitter, UTP, US       (UPC: 627699907603)         500760-RX-US       AV over IP 4K/60 Uncompressed Receiver, UTP, US       (UPC: 627699807606)         500760-RX-UK       AV over IP 4K/60 Uncompressed Transmitter, UTP, UK       (UPC: 627699917602)         500760-RX-UK       AV over IP 4K/60 Uncompressed Receiver, UTP, UK       (UPC: 627699817602)         500760-RX-UK       AV over IP 4K/60 Uncompressed Receiver, UTP, UK       (UPC: 627699817605)         500760-TX-EU       AV over IP 4K/60 Uncompressed Receiver, UTP, EU       (UPC: 627699827601)         500760-RX-EU       AV over IP 4K/60 Uncompressed Receiver, UTP, EU       (UPC: 627699827601)



## **Typical Application**





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