Overview:

DomoStream allows HDMI equipment to be extended up to 330ft (100m) at video resolutions up to 4K (3840x2160) @ 30Hz via one (1) Cat5e/6 cable in point-to-point, point-to-multipoint and multipoint-to-multipoint configurations, by connecting several units to the same local 1Gbps Ethernet network. DomoStream supports HDR10, enhancing picture quality and detail particularly in darker or dimly lit scenes. The unit supports the pass-through transmission of the latest audio formats up to 8 CH LPCM, Dolby Atmos and DTS:X, offering the listener an exceptional and enveloping sound experience. In addition the unit supports 2 CH audio insert on the TX and audio extract on the RX. It supports CEC, RS232 and directional IR for control of end devices. DomoStream is a PoE (PD) device and may be powered by a PoE (PSE) Ethernet Switch.

DomoStream is an excellent addition to any distributed home AV entertainment system, and may be managed by the combination of the MuxControl App for iOS or Android running on a Smartphone or Tablet, and the Pro Digital Network Controller (model 500811).
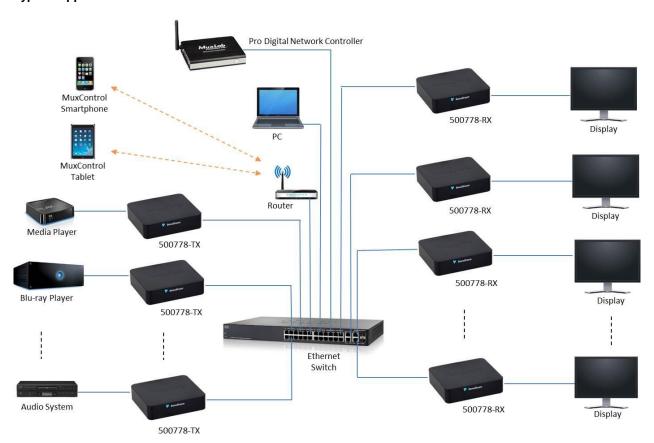
Applications:

• Residential AV systems

Key Features:

• Extend HDMI 4K/30 over an IP network
• HDR10
• Audio pass thru up to 8 CH LPCM, Dolby Atmos and DTS:X
• 2 CH audio insertion (TX) and extraction (RX)
• Supports 100's of source & display devices limited only by network bandwidth
• Supports Pt to Pt, Pt to Multi-Pt & Multi-Pt to Multi-Pt
• CEC, RS232 & Directional IR for remote control of end devices
• PoE powered

Specifications	
Environment	HDMI 2.0b
Devices	Blu-Ray, projectors, monitors, TV, PC, laptops, servers supporting HDMI.
Bandwidth	300MHz
Signals	HDMI 2.0b protocol HDCP 2.2 compliant HDR10 Support
Connectors *Note: Cables not included.*	One (1) HDMI receptacle. One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair. One (1) 3.5mm jack for directional IR (may be set for an emitter or sensor). One (1) 3.5mm jack for audio insert (on TX)/audio extract (on RX). One (1) DB9 for the RS232 One (1) 2.1mm locking power connector (may be used with optional power supply, if PoE is not available).
Maximum Distance *Based on a maximum length of 6.6ft (2m) of HDMI cable per end.*	Cat5e/6: 330ft (100m) up to 4K @ 30Hz *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	Typical one (1) Frame (16ms), maximum 2 frames (33ms)
Compression	JPG 2000
Bandwidth	500Mbps
Network Requirement	1000BaseT with Jumbo Frame
IR Frequency	38 to 56KHz
RJ45 Pin Configuration *Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.*	**RJ45 Link** 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	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	Transmitter: 2.85Watt Receiver: 2.55Watt
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Dimensions	5.60" x 5.20" x 1.10" (142mm x 132mm x 28mm)
Weight	1.5lbs (0.68kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	3 years
Order Information	500778-TX DomoStream Transmitter (UPC: 627699907788) 500778-RX DomoStream Receiver (UPC: 627699807781)

Typical Application

Pro Digital Network Controller

MuxControl
Smartphone

MuxControl
Tablet

PC

Router

Media Player

500778-TX

Blu-ray Player

500778-TX

Audio System

500778-TX

Ethernet
Switch

500778-RX

Display

500778-RX

Display

500778-RX

Display

500778-RX

Display

DomoStream

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