

# HDMI 201

## HDMI TWISTED PAIR EXTENDER

- ▶ Transmits HDMI and control signals over CATx cable
- ▶ Sends 720p, 1080i, and XGA (1024x768) signals over 200 feet (60 meters), 1080p/60 and 1920x1200 signals over 100 feet (30 meters) with standard CAT 5e cable
- ▶ HDCP compliant
- ▶ Bidirectional RS-232/IR pass-through
- ▶ Remote powering of transmitter or receiver



The Extron HDMI 201 extender sends HDMI plus bidirectional control signals up to 200 feet (60 meters) on two CATx cables. This HDCP-compliant extender set maintains superior image quality of high resolution computer-video and HDTV signals throughout the system.



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INTERFACING, SWITCHING AND CONTROL

## DESCRIPTION

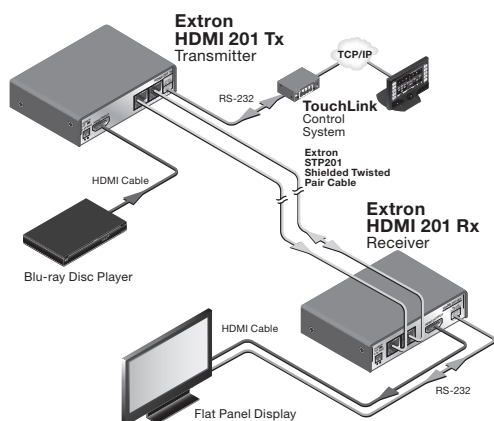
The Extron **HDMI 201 Tx/Rx** is a transmitter and receiver set that enables HDMI signals to be carried over distances significantly beyond the capability of standard HDMI or DVI cables. Linked together using two economical and integration friendly CAT 5e, CAT 6, CAT 7, or Extron STP201 cables, the HDMI 201 Transmitter and receiver work together to send HDMI or single link DVI signals over 200 feet (60 meters) for HDTV and XGA 1024x768.

For convenient, streamlined system integration, RS-232 signals can be transmitted over the same cabling as the HDMI signals, providing remote display control. Additionally, either the transmitter or receiver can be remotely powered over this cabling, so that external power is necessary for only one of the devices. The HDMI 201 Tx transmitter and HDMI 201 Rx receiver are housed in 1" (2.5 cm) high, quarter rack width metal enclosures.

## FEATURES

- ▶ Transmits HDMI and control signals over CATx cable
- ▶ Sends 720p, 1080i, and XGA (1024x768) signals over 200 feet (60 meters), 1080p/60 and 1920x1200 signals over 100 feet (30 meters) with standard CAT 5e cable
- ▶ Extron strongly recommends using individually shielded twisted pair cabling for optimal performance
- ▶ HDCP compliant
- ▶ Supports EDID and HDCP transmission
- ▶ Remote powering of transmitter or receiver
- ▶ Bidirectional RS-232/IR pass-through
- ▶ Energy-efficient external universal power supply included with Tx models and Tx/Rx sets, part # 70-775-01

## APPLICATION DIAGRAM



## SPECIFICATIONS

VIDEO		
Maximum data rate	4.95 Gbps (1.65 Gbps per color)	
Maximum pixel clock	165 MHz	
Resolution range	Up to 1920x1200 or 1080p @ 60 Hz	
VIDEO INPUT — TX UNITS		
Number/signal type	1 single link HDMI (or DVI-D*)	
INTERCONNECTION BETWEEN TRANSMITTER AND RECEIVER		
Connectors	2 female RJ-45 per unit for 2 cables connecting the transmitter and receiver	
Signal transmission distance	1920x1200 or 1080p @ 60 Hz	
Extron STP201 cable	Up to 150' (45 m)	
CAT 5/5e/6 STP	Up to 125' (38 m)	
CAT 5/5e/6 UTP	Up to 100' (30 m)	
720p/1080i or 1024x768 @ 60 Hz		
CAT 5/5e/6 UTP or STP or Extron STP201	200' (60 m)	
<b>NOTE:</b> Shielded twisted pair cable provides added protection from outside interference and increases overall signal transmission distance. Extron strongly recommends using shielded twisted pair for optimal performance.		
VIDEO OUTPUT — RX UNITS		
Number/signal type	1 single link HDMI (or DVI-D*)	
CONTROL/REMOTE — External device (pass-through)		
Serial control port input		
Transmitter	RS-232 via (1) 3.5 mm, 3 pole captive screw connector	
Serial control port output		
Receiver	RS-232 via a 3.5 mm, 3 pole captive screw connector	
GENERAL		
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts	
Power consumption		
HDMI 201 Tx	2.2 watts, 12 VDC	
HDMI 201 Rx	4.0 watts, 12 VDC	
Mounting		
Rack mount	Yes, with optional 1U deep rack shelf	
Furniture mount	Yes, with optional under-desk mounting kit	
Pole mount	Yes, with optional pole mount kit	
Enclosure type	Metal	
Enclosure dimensions	1.0" H x 4.3" W x 3.0" D (quarter rack wide) (2.5 cm H x 10.9 cm W x 7.6 cm D) (Depth excludes connectors.)	
Model	Version Description	Part number
HDMI 201 Tx/Rx	Transmitter/Receiver Set	60-806-01

For complete specifications, please go to [www.extron.com](http://www.extron.com)  
Specifications are subject to change without notice.

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