

# Specifications

## HDMI 201 Tx/Rx

**NOTE:** This product consists of a transmitter (HDMI 201 Tx) and a receiver (HDMI 201 Rx) with twisted pair cables linking the transmitter and receiver.

**NOTE:** \*Appropriate HDMI to DVI-D cables or adapters are required for DVI signal input/output.

### 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
Formats.....	RGB and YCbCr digital video
Standards.....	DVI 1.0, HDMI

### Video input — Tx units

Number/signal type.....	1 single link HDMI (or DVI-D*)
Connectors.....	1 female HDMI type A

### Interconnection between transmitter and receiver

Connectors.....	2 female RJ-45 per unit for 2 cables connecting the transmitter and receiver
Termination standards.....	TIA/EIA T568A or T568B
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)

**NOTE:** The transmission distance varies greatly depending on the signal resolution and on the type of cable, graphics card, and display used in the system.

**NOTE:** 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*)
Connectors.....	1 female HDMI type A

### Control/remote — external device(pass-through)

Serial control port input	
Transmitter.....	RS-232 via (1) 3.5 mm, 3 pole captive screw connector
Receiver.....	1 set of proprietary signals on a female RJ-45 jack

Serial control port output  
 Transmitter ..... 1 set of proprietary signals on a female RJ-45 jack  
 Receiver ..... RS-232 via a 3.5 mm, 3 pole captive screw connector

**NOTE:** Protocol is mirrored between the transmitter and the receiver.

Serial control pin configuration ..... Captive screw connectors: 1 = Tx, 2 = Rx, 3 = GND

**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

**NOTE:** Each transmitter or receiver can be powered either locally by an external power supply or remotely by receiver or transmitter on the other end of the CAT 5/5e/6 or Extron STP201 cables.

Temperature/humidity ..... Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing  
 Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing

Cooling..... Convection, no vents

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.)

Product weight..... 0.5 lbs (0.3 kg)

Shipping weight..... 3 lbs (2 kg)

Vibration ..... ISTA 1A in carton (International Safe Transit Association)

Regulatory compliance

Safety ..... CE, c-UL, UL  
 EMI/EMC ..... CE\*\*, C-tick, FCC Class A\*\*, ICES, VCCI

**NOTE:** \*\*CE and FCC testing is conducted with STP (shielded twisted pair) cable.

Warranty..... 3 years parts and labor

**NOTE:** All nominal levels are at ±10%.

**NOTE:** Specifications are subject to change without notice.

8.0-021412-D17-111912