



Video

Maximum data rate	6.75 Gbps (2.25 Gbps per color)
Maximum pixel clock	165 MHz
Resolution range	Up to 1920x1200 or 1080p @ 60 Hz; 8, 10, or 12 bit color depth
Formats	RGB and YCbCr digital video
Standards	DVI 1.0, HDMI, HDCP 1.1, CEA-861E

Video input – transmitter

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

Interconnection between transmitter and receiver

Connectors	1 female RJ-45 per unit
Termination standard	TIA/EIA T568B
Signal transmission distance	Up to 230' (70 m) using CAT 5e/6/6a/7 cable or XTP DTP 24 TP cable
Cable requirements	Solid conductor, 24 AWG or better
Cable recommendations	400 MHz bandwidth, STP (shielded twisted pair) <i>Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance.</i>

Video output – receiver

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

Audio

Gain	Unbalanced output: 0 dB; balanced output +6 dB
Frequency response	20 Hz to 20 kHz, ±0.5 dB
THD + Noise	0.03% @ 20 Hz to 20 kHz at maximum output
S/N	>90 dB, at maximum output (15 dBu), balanced (unweighted)
Stereo channel separation	>80 dB @ 1 kHz to 20 kHz



Audio input

Number/signal type	1 PC level stereo, unbalanced
Connectors	(1) 3.5 mm stereo jack, 2 channel; tip (L), ring (R), sleeve (ground)
Impedance	>10k ohms, DC coupled
Nominal level	-10 dBV (316 mVrms)
Maximum level	+7 dBV (unbalanced) <i>0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu</i>

Audio output

Number/signal type	1 stereo (2 channel), balanced/unbalanced
Connectors	(1) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.1 dB channel to channel
Maximum level (600 ohm)	>+11 dBu, balanced

Control/remote – external device (pass-through, unidirectional or bidirectional)

Serial control port input/output

Transmitter	RS-232 via (1) 3.5 mm, 5 pole captive screw connector for RS-232 control (±5 V) (connector is shared with IR control port)
Receiver	1 set of proprietary signals on a female RJ-45 jack

Serial control port output/input

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
Baud rates	Up to 115200 baud
Protocol	Data bits = 5 - 8 Stop bits = 1 or 2 Parity = odd, even, none Flow control = XON, XOFF, none
Serial control pin configuration	1 = Tx, 2 = Rx, 3 = GND
IR control port	(1) 3.5 mm, captive screw connector, 5 pole (connector is shared with RS-232) TTL level (0 to 5 V) modulated infrared control from 30 kHz up to 60 kHz
IR control pin configuration	3 = GND, 4 = IR Tx, 5 = IR Rx

General

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
Power consumption	11.0 watts, 12 VDC, total, for both transmitter and receiver <i>Each transmitter or receiver can be powered either locally by an external</i>
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



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Mounting	
Rack mount	Yes, with optional 1U high rack shelf
Furniture mount	Yes, with optional under-desk mounting kit
Enclosure type	Metal
Enclosure dimensions	
Transmitter	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.)
Receiver	1.0" H x 4.3" W x 6.0" D (quarter rack wide) (2.5 cm H x 10.9 cm W x 15.2 cm D) (Depth excludes connectors.)
Product weight	
Transmitter	0.5 lbs (0.3 kg)
Receiver	1.0 lb (0.5 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL UL rated for use in plenum airspaces: meets UL 2043 for heat and smoke release, excluding the power supply; meets UL 60065 and IEC 60065 for A/V equipment safety.
EMI/EMC	CE**, C-tick, FCC Class A**, ICES, VCCI

