

## Specifications

### MediaPort 200

#### Video input and loop through

Number/signal type.....	1 HDMI/DVI 1 HDMI/DVI loop-through
Connectors .....	1 female HDMI type A 1 female HDMI type A loop-through
Horizontal frequency .....	15 kHz to 100 kHz
Vertical frequency.....	24 Hz to 75 Hz
Resolution range.....	640x480 through 1600x1200, 1920x1200 (with reduced blanking), 480i, 576i, 480p, 720p, 1080i, and 1080p
Digital pixel data bit depth.....	8, 10, and 12 bits per channel; 165 MHz pixel clock
Standards .....	DVI 1.0, HDMI 1.4, HDCP 1.3

#### Video processing

Colors .....	11 million (8-bit 4:2:2 processing)
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#### Video output

Number/signal type.....	1 USB digital video
Connectors .....	1 female USB type B
Power for active cables.....	1.0 watts max for the HDMI loop-through
HDMI peripheral device power .....	200 mA per output
USB scaled resolutions .....	320x180 <sup>1,3</sup> , 320x240 <sup>1,3</sup> , 424x240 <sup>1,3</sup> , 640x360 <sup>1,3</sup> , 640x480 <sup>1,3</sup> , 848x480 <sup>1,3</sup> , 960x540 <sup>1,3</sup> , 720p <sup>1,3</sup> , 1080p <sup>1,2</sup> <sup>1</sup> = at 15 Hz, <sup>2</sup> = at 24 Hz, <sup>3</sup> = at 30 Hz

#### USB device ports

Number/signal type.....	1 USB peripheral port
Connectors .....	1 female USB 2.0 type B
Maximum built-in USB hubs.....	0
Minimum built-in USB hubs.....	0

#### USB encoding

Number/signal type.....	1 USB (scaled, non-HDCP compliant)
Vertical frequency.....	15 Hz, 24 Hz (1080p only), 30 Hz
Video encoding.....	MJPEG (4:2:2 or 4:2:0)
Resolution.....	320x180 through 1080p
Audio .....	PCM, 24-bit, 48 kHz
Bit rate.....	Up to 60 Mbps
USB standards .....	USB 2.0 high speed, USB 1.1 full speed

## Specifications • MediaPort 200 (Continued)

### Audio

Gain.....	Unbalanced output, -6 dB; balanced output, 0 dB
Frequency response .....	20 Hz to 20 kHz, $\pm 0.2$ dB
THD + Noise .....	<0.03%, 20 Hz to 20 kHz at maximum level
S/N .....	>90 dB, 20 Hz to 20 kHz at maximum balanced output (unweighted)
Crosstalk .....	$\leq -90$ dB @ 20 Hz to 20 kHz, fully loaded

### Audio input

Number/signal type.....	1 stereo, de-embedded from HDMI (PCM only) 1 stereo line level, balanced or unbalanced 1 mono mic/line level, balanced or unbalanced (with available phantom power) 2 stereo USB, embedded (communications and program audio)
Connectors .....	1 female HDMI (1) 3.5 mm, 5 pole captive screw, for line level (stereo) (1) 3.5 mm, 3 pole captive screw, for mic/line level 1 female USB B
Impedance.....	>10k ohms unbalanced, >20k ohms balanced
Nominal level.....	Line inputs: +4 dBu, -10 dBV, adjustable Mic/line inputs: -60 dBV, +4 dBu, -10 dBV, adjustable
Maximum level .....	+21 dBu, balanced, when input gain is set to 0 dB, at rated THD+N
CMRR.....	>75 dB @ 1 kHz
Input gain adjustment.....	Line input: -18 dB to +24 dB, in 0.1 dB steps Mic input: -18 dB to +60 dB in 0.1 dB steps
DC phantom power .....	+48 VDC $\pm 10\%$ (can be switched on or off for the mic/line input)

**NOTE:** 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV  $\approx$  2 dBu

### Audio output

Number/signal type.....	1 stereo, balanced or unbalanced, on a 3.5 mm, 5 pole captive screw connector. Can be configured as stereo or dual mono (variable). 2 mono, balanced or unbalanced (variable), on a shared 5 pole captive screw connector 1 stereo USB (embedded) 1 HDMI (loop output embedded)
Connectors .....	(2) 3.5 mm, 5 pole captive screw 1 female USB type B 1 female HDMI
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Gain error.....	$\pm 0.1$ dB channel to channel
THD .....	<0.03%, 20 Hz to 20 kHz at maximum level
Maximum level (Hi-Z).....	>+21 dBu, balanced; >+15 dBu, unbalanced
Output volume range .....	-100 dB to 0 dB, in 0.1 dB increments

### Communications

Serial control port.....	1 bidirectional RS-232 on (1) 3.5 mm, 5 pole captive screw connector, shared with +12 V remote power on rear panel
Serial control pin configuration .....	Pin 1 = Tx, pin 2 = Rx, pin 3 = ground
Baud rate and protocol .....	9600 baud, 8 data bits, 1 stop bit, no parity
Digital I/O control .....	2 digital inputs on (1) 3.5 mm, 5-pole captive screw connector, shared with two digital outputs and a common ground 2 digital outputs on (1) 3.5 mm, 5-pole captive screw connector, shared with two digital inputs and a common ground
Remote power .....	(1) +12 V DC power on (1) 3.5 mm, 5 pole captive screw connector, shared with RS-232 port; 100 mA
USB control port .....	1 female USB mini-B (front panel Config port)
USB standards .....	USB 2.0

## Specifications • MediaPort 200 (Continued)

Ethernet control port .....	1 female RJ-45
Ethernet data rate .....	10/100/1000Base-T, half/full duplex with autodetect
Ethernet protocol .....	ARP, ICMP (ping), IP, TCP, DHCP, HTTP, HTTPS, SSH, SFTP, SNMP, Telnet, IEEE 802.1X
Program control .....	Extron Product Configuration Software (PCS) for Windows® Extron Simple Instruction Set™ (SIS™) Microsoft® Internet Explorer® Extron Toolbelt

### General

Power supply .....	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption.....	18.9 watts
Temperature/humidity .....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operation: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling .....	Passive; side and rear vents
Thermal dissipation .....	59.2 BTU
Mounting	
Rack mount.....	Yes, with optional rack shelf
Furniture mount.....	Yes, with optional under-desk or through-desk mounting kit
Enclosure type .....	Metal
Enclosure dimensions .....	1.66" H x 8.68" W x 9.5" D (1U high, half rack wide) (4.2 cm H x 22.1 cm W x 21.6 cm D) (Depth excludes connectors.)
Product weight .....	2.3 lbs (1.4 kg)
Regulatory compliance.....	CE, c-UL, UL, CE, C-tick, FCC Class A, ICES, KC, VCCI, RoHS, WEEE
Product warranty .....	3 years parts and labor
Everlast power supply warranty.....	7 years parts and labor

**NOTE:** All nominal levels are at  $\pm 10\%$ .

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

**NOTE:** Shipping weights and dimensions are available at [www.extron.com](http://www.extron.com).

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