



## Specification • DXP HD 4K PLUS Series (Continued)

### Video output

Number/signal type.....	2, 4, or 8 HDMI digital video (HDCP compliant)
Connectors.....	2, 4, or 8 female HDMI type A
Power for active cables.....	4.2 or 8.4 W total power for all HDMI ports 1.1 W per HDMI port, max.
Peripheral device power.....	250 mA per HDMI output

### Audio — DXP 42, 44, 84, 88 HD 4K PLUS

Supported formats — Pass through

HDMI connectors .....	LPCM up to 7.1/24-bit/96 kHz, Dolby ATMOS, Dolby TrueHD, Dolby Digital Plus, Dolby Digital EX, Dolby Digital 5.1, Dolby Digital 2/0 Surround, Dolby Digital 2/0, DTS-HD Master Audio, DTS-HD, DTS ES Discrete 6.1, DTS ES Matrix 6.1, DTS Digital Surround 5.1, DTS 2 Channel
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Supported formats — S/PDIF (DXP 44, 84, 88 HD 4K PLUS only)

LPCM.....	2-channel, 16/20/24 bit depths, 32/44.1/48 kHz sampling
Dolby Digital (AC-3) .....	6-channel, 640k mbr, 32/44.1/48 kHz sampling
DTS.....	7-channel, 1536k max bit rate, 44.1/48 kHz sampling

### Audio — individual audio groups (HDMI)

DXP 44, 84, 88 HD 4K PLUS Series

Gain .....	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response.....	20 Hz to 20 kHz, $\pm 0.2$ dB
THD + Noise.....	0.03% @ 20-20 kHz at nominal level
S/N .....	>105 dB at maximum output (unweighted)
Crosstalk .....	<-90 dB @ 20 Hz to 20 kHz, fully loaded
Stereo channel separation .....	>80 dB @ 20 Hz to 20 kHz

DXP 42 HD 4K PLUS

Gain .....	Unbalanced output: -6 dB; balanced output: 0 dB
Frequency response.....	20 Hz to 20 kHz, $\pm 0.5$ dB
THD + Noise.....	<0.01% @ 20-20 kHz at nominal level
S/N .....	>90 dB at maximum output (unweighted)
Crosstalk .....	$\leq -80$ dB @ 1 kHz, fully loaded
Stereo channel separation .....	>80 dB @ 1 kHz

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

### Audio output

Number/signal type.....	2, 4, or 8 HDMI, embedded 2 stereo, balanced or unbalanced 2 S/PDIF (DXP 44, 84, 88 HD 4K PLUS only)
Connectors	
HDMI.....	2, 4, or 8 female
Stereo .....	(2) 3.5 mm captive screw, 5 pole
S/PDIF (DXP 44, 84, 88 HD 4K PLUS only)	2 female RCA
Impedance	
Stereo audio.....	50 ohms unbalanced, 100 ohms balanced
S/PDIF.....	75 ohms (DXP 44, 84, and 88 HD 4K PLUS only)
Gain error.....	$\pm 0.1$ dB channel to channel
D/A conversion .....	24-bit, 192 kHz
Maximum level (Hi-Z)	
DXP 44, 84, and 88 HD 4K PLUS	>+21 dBu, balanced, or +15 dBu, unbalanced
DXP 42 HD 4K PLUS .....	>+12 dBu, balanced, or +6 dBu, unbalanced

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Output volume range	
DXP 44, 84, and 88 HD 4K PLUS	-100 to 0 dB (control 0 to 100 in 1.3 dB steps)
DXP 42 HD 4K PLUS .....	-90 to 0 dB (control 0 to 90 in 1 dB steps)

### Communications

Serial control port.....	1 bidirectional RS-232
Serial control connector .....	(1) 3.5 mm captive screw, 3 pole (rear panel)
Baud rate and protocol .....	300 to 115200 baud; 7 or 8 data bits; 1 or 2 stop bits; no parity, even, odd, mark, or space parity Defaults: 9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configuration .....	1 = Tx, 2 = Rx, 3 = Gnd
USB control port .....	1 front panel female USB mini-B
USB standards .....	USB 2.0, low speed
Ethernet control port .....	1 female RJ-45 connector
Ethernet data rate .....	10/100Base-T, half/full duplex with autodetect
Ethernet protocol .....	ARP, DHCP, DNS, HTTP, HTTPS, ICMP (ping), NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, Telnet, UDP/IP
Ethernet default settings .....	Link speed and duplex level: autodetected IP address: 192.168.254.254 Subnet mask: 255.255.0.0 Gateway: 0.0.0.0 DHCP: Off
Web server .....	Up to 200 simultaneous sessions 40.0 MB nonvolatile user memory
Program control .....	Extron Product Control Software (PCS) Extron Simple Instruction Set™ (SIS™) Microsoft® Edge®, Telnet

### General

Power supply	
DXP 44, 84, 88 HD 4K PLUS Series	Internal Input: 100-240 VAC, 50-60 Hz
DXP 42 HD 4K PLUS .....	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watts
Power consumption (full load)	
DXP 42 HD 4K PLUS	
Device .....	16 watts
Device with power supply ..	17.5 watts
DXP 44 HD 4K PLUS .....	20.4 watts
DXP 88 HD 4K PLUS .....	30.8 watts
Power consumption (power save) ..	10.8 watts (DXP 44, 84, and 84 HD 4K PLUS Series only)
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	
DXP 44, 84, 88 HD 4K PLUS ..	Fans, air flows from right to left (as viewed from front panel)
DXP 42 HD 4K PLUS .....	Convection, vents on top and sides

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### Thermal dissipation (full load)

DXP 42 HD 4K PLUS	
Device .....	51.2 BTU/hr
Device with power supply ..	56.3 BTU/hr
DXP 44 HD 4K PLUS	
115 VAC, 60 Hz.....	64.9 BTU/hr
240 VAC, 50 Hz.....	65.8 BTU/hr
DXP 88 HD 4K PLUS	
115 VAC, 60 Hz.....	96.8 BTU/hr
240 VAC, 50 Hz.....	97.3 BTU/hr

### Mounting

DXP 42 HD 4K PLUS	
Rack mount.....	Yes, with optional rack shelf kit Back of the rack mountable with optional back-of-the-rack mounting kit
Furniture mount .....	Yes, with optional under-desk mounting kit
DXP 44, 84, 88 HD 4K PLUS Series	
Rack mount.....	Yes, with included brackets

### Enclosure type .....

Metal

### Enclosure dimensions

DXP 44, 84, 88 HD 4K PLUS Series	
	1.75" H x 17.5" W x 9.5" D (1U high, full rack wide) (4.4 cm H x 44.5 cm W x 24.1 cm D) (Depth excludes connectors and knobs. Width excludes rack ears.)
DXP 42 HD 4K PLUS .....	11.0" H x 8.75" W x 8.0" D (half rack wide) (44 mm H x 222 mm W x 152 mm D) (Depth excludes connectors.)

### Product weight

DXP 42 HD 4K PLUS .....	1.5 lbs (0.7 kg)
DXP 44 HD 4K PLUS .....	5.2 lbs (2.3 kg)
DXP 84 HD 4K PLUS .....	5.3 lbs (2.4 kg)
DXP 88 HD 4K PLUS .....	5.5 lbs (2.5 kg)

Regulatory compliance..... CE, C-tick, c-UL, FCC Class A, ICES, PSE, UL, VCCI, RoHs, and WEEE

Product warranty .....

3 years parts and labor

Everlast power supply warranty.....

7 years parts and labor

**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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