

Specifications — HDXP Plus Series

Video

Routing

1616 Series	16 x 17 matrix
3216 Series	32 x 17 matrix
3232 Series	32 x 33 matrix
Gain	Unity
Data rates.....	19 Mbps to 2.970 Gbps
Auto data rate lock.....	Yes
Standard	SMPTE 259M, SMPTE 292M, SMPTE 372M, SMPTE 424M, ITU-R BT.601, ITU-R BT.1120
Data types.....	8 bit or 10 bit

Video input

Number/signal type.....	16 or 32 SDI or HDSDI digital component video
Connectors	16 or 32 female BNC
Input cable equalization.....	Automatic
HD-SDI	150 m using Extron RG6 or Belden 1694A cable or equivalent 100 m using Extron RG59 or Belden 1505A cable or equivalent
SDI.....	200 m using Extron RG6 or Belden 1694A cable or equivalent 150 m using Extron RG59 or Belden 1505A cable or equivalent
Nominal level	800 mV ±10%
Impedance.....	75 ohms
Return loss.....	<-15 dB @ 1 MHz to 1.5 GHz
External sync (genlock), 3232 Series only	-0.4V to +5.0 Vp-p; 1 bi-level, 1 tri-level

Video output

Number/signal type	
1616 Series, 3216 Series.....	16 SDI or HDSDI digital component video (8- or 10-bit SMPTE 259M, SMPTE 292M, SMPTE 424M) (Output 17 is a preview output.) 1 SDI or HDSDI digital component video (for preview output)
3232 Series	32 SDI or HDSDI digital component video (8- or 10-bit SMPTE 259M, SMPTE 292M, SMPTE 424M) (Output 33 is a preview output.) 1 SDI or HDSDI digital component video (for preview output)
Connectors	
1616 Series, 3216 Series.....	16 female BNC 1 female BNC for preview output (labeled as output 17)
3232 Series	32 female BNC 1 female BNC for preview output (labeled as output 33)
Nominal level	800 mV ±10%
Impedance.....	75 ohms
Return loss.....	<-15 dB @ 1 MHz to 1.5 GHz
DC offset (termin. @ 75 ohms).....	±500 mV with input at 0 offset
Jitter	<0.2 UI
Rise and fall time (20-80%)	SDI = 700 ps ± 100 ps HD-SDI = 250 ps ± 100 ps
Re-clocking.....	Automatic, or bypass mode for nonstandard rates, or fixed

Specifications — HDXP Plus Series, cont'd

Control/remote — switcher

Serial control ports	1 RS-232 or RS-422, female 9-pin D connector 1 RS-232 front panel 2.5 mm mini stereo jack
Baud rate and protocol	9600 (default), 19200, 38400, 115200 baud (adjustable); 8 data bits, 1 stop bit, no parity
Serial control pin configurations	
9-pin D connector	RS-232: 2 = TX, 3 = RX, 5 = GND RS-422: 2 = TX-, 3 = RX-, 5 = GND, 7 = RX+, 8 = Tx+
Mini stereo jack	RS-232: tip = TX, ring = RX, sleeve = GND
Ethernet control port	1 female RJ-45 connector
Ethernet data rate	10/100Base-T, half/full duplex with autodetect
Ethernet protocol	ARP, ICMP (ping), IP, TCP, DHCP, HTTP, Telnet
Program control	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™) Microsoft® Internet Explorer®, Telnet

General

Power	100 VAC to 240 VAC, 50-60 Hz, 80 watts, internal
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
Enclosure type	Metal
Enclosure dimensions	
HDXP Plus 1616, HDXP Plus 3216	3.5" H x 17.0" W x 9.4" D (2U high, full rack wide) (8.9 cm H x 43.2 cm W x 23.9 cm D) (Depth excludes connectors and knobs. Width excludes rack ears.)
HDXP Plus 3232	5.25" H x 17.0" W x 9.4" D (3U high, full rack wide) (13.3 cm H x 43.2 cm W x 23.9 cm D) (Depth excludes connectors and knobs. Width excludes rack ears.)
Product weight	
HDXP Plus 1616, HDXP Plus 3216	8.9 lbs (4.1 kg)
HDXP Plus 3232	11.9 lbs (5.4 kg)
Shipping weight	
HDXP Plus 1616, HDXP Plus 3216	15 lbs (7 kg)
HDXP Plus 3232	18 lbs (9 kg)
DIM weight, international	25 lbs (12 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Compliances	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
MTBF	30,000 hours
Warranty	3 years parts and labor

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

NOTE Specifications are subject to change without notice.

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