

Specifications — DXP 44 SDI, DXP 88 SDI

Video

Routing

DXP 44 SDI	4 x 4 matrix
DXP 88 SDI	8 x 8 matrix
Data rates	143 Mbps, 177 Mbps, 270 Mbps, 360 Mbps
Auto data rate lock	Yes
Standard	SMPTE 259M
Data types	8 bit or 10 bit

Video input

Number/signal type

DXP 44 SDI	4 SDI serial digital video (8 or 10 bit SMPTE 259 M widescreen 16:9, component 4:2:2, and composite video) inputs, and 4 buffered loop-throughs
DXP 88 SDI	8 SDI serial digital video (8 or 10 bit SMPTE 259 M widescreen 16:9, component 4:2:2, and composite video), and 8 buffered loop-throughs

Connectors

DXP 44 SDI	4 female BNC for input, 4 female BNC for loop-through
DXP 88 SDI	8 female BNC for input, 8 female BNC for loop-through
Input cable equalization	1 to 300 m for data rates up to 270 Mbps 1 to 200 m for data rates up to 360 Mbps
Auto equalization	Yes
Input return loss	>15 dB, 5 MHz to 270 MHz
Recommended cable type	Extron SHR or equivalent
Impedance	75 ohm
External sync (genlock)	0.3 V to 0.4 Vp-p

Video output

Number/signal type

DXP 44 SDI	4 dual SDI serial digital video (SMPTE 259 M widescreen 16:9, component 4:2:2, and composite video)
DXP 88 SDI	8 dual SDI serial digital video (SMPTE 259 M widescreen 16:9, component 4:2:2, and composite video)

Connectors

DXP 44 SDI	4 x 2 BNC female
DXP 88 SDI	8 x 2 BNC female
Number of outputs per channel ..	2 outputs per channel
Nominal level	0.8 V ±10%
Impedance	75 ohms
Return loss	>40 dB @ 5 MHz
DC offset	±500 mV maximum with input at 0 offset
Jitter	<0.2 µs p-p
DC offset (termin. @ 75 ohms) ...	0.5 V (±)
Rise and fall time (20-80%)	0.6 ns = 100 ps

Control/remote — switcher

Serial control port	RS-232 or RS-422, 9-pin female D connector
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations	2 = TX, 3 = RX, 5 = GND
Program control	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

General

Power	100 VAC to 240 VAC, 50/60 Hz, 40 watts, internal, autoswitchable
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
Rack mount	Yes, with included mounting brackets, 1U high. These can also be mounted under or through furniture with the provided brackets.
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 9.5" D (1U high, full rack wide) 4.4 cm H x 44.4 cm W x 24.1 cm D (Depth excludes connectors. Width excludes rack ears.)
Product weight	4.9 lbs (2.2 kg)
Shipping weight	8 lbs (4 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, AS/NZS, ICES
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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