

DXP 44 SDI & DXP 88 SDI

SERIAL DIGITAL VIDEO MATRIX SWITCHERS

- Serial digital data rates from 143 Mbps to 360 Mbps
- SMPTE 259M compliant
- Automatic input cable equalization
- Digital Sync Validation Processing (DSVP™)
- Automatic rate selection
- Output data muting when input source is lost
- 16 global memory presets
- LCD display
- RS-232/422 remote control
- Extron's Simple Instruction Set (SIS™)
- Windows®-based control program



DXP 44 SDI



DXP 88 SDI

The Extron Digital XPoint Series of SDI digital matrix switchers is ideal for switching multiple serial digital video signals to multiple digital video devices in post production studios, non-linear editing suites, staging events, and video broadcast studios.



Extron® Electronics

www.extron.com

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	0.5 V (±) (termin. @ 75 ohms)
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

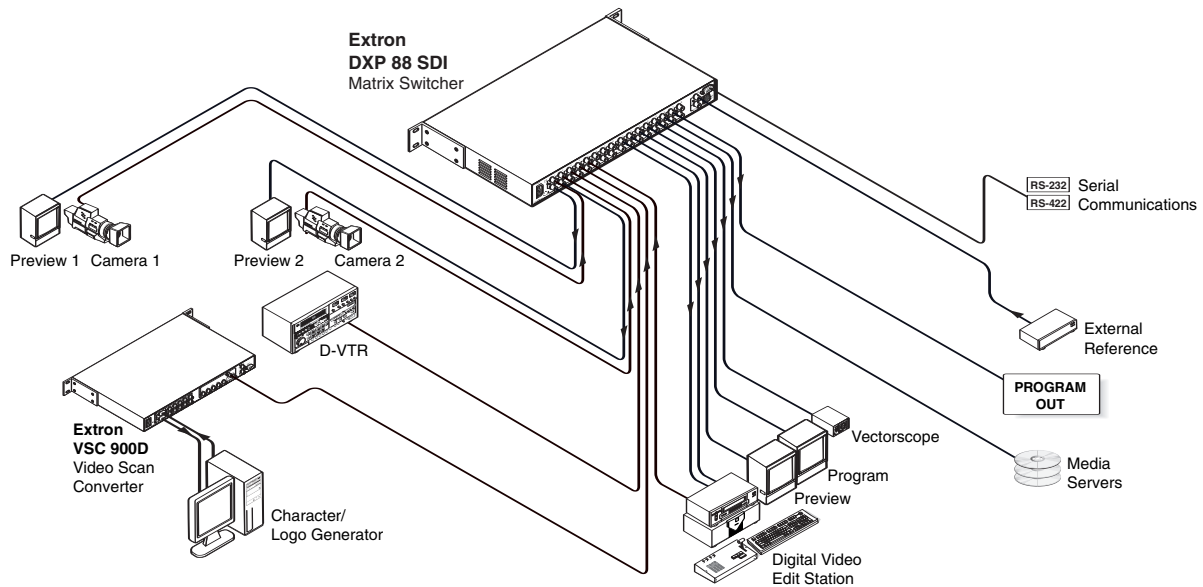
Power	100 VAC to 240 VAC, 50/60 Hz, 40 watts, internal, autoswitchable
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Rack mount	Yes, with included mounting brackets, 1U high. These can also 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 ±10%.	

Model Part Numbers

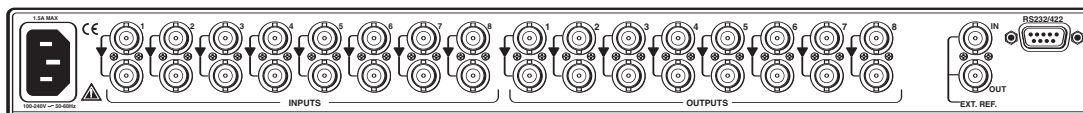
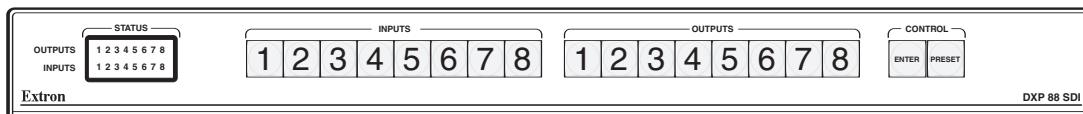
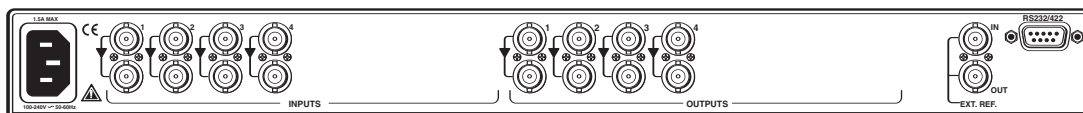
DXP 44 SDI	60-402-01
DXP 88 SDI	60-401-01

Specifications are subject to change without notice.

APPLICATION DIAGRAM



PANEL DRAWINGS



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