

HDXP Plus Series

Multi-Rate SDI Matrix Switchers

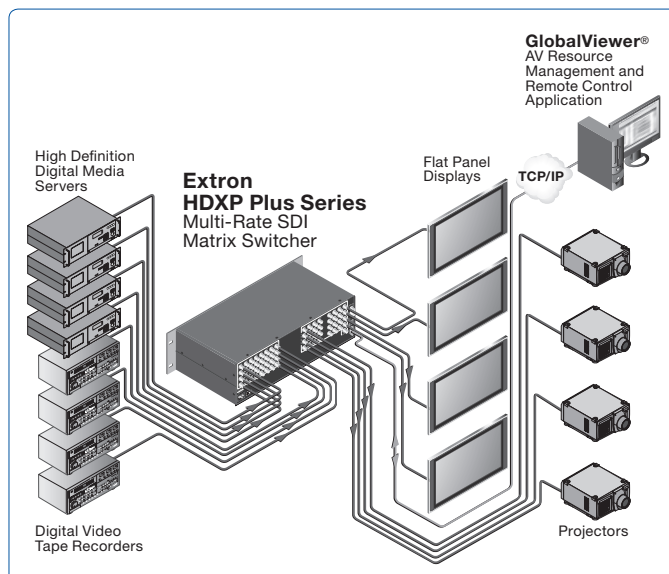


DESCRIPTION

The **HDXP Plus Series** are multi-rate, serial digital matrix switchers that comply with SMPTE and ITU standards for serial digital video signals from 143 Mbps to 2.97 Gbps. They are capable of routing SDI, single link and dual link HD-SDI, and 3G-SDI digital video signals. In addition, the HDXP Plus Series will pass embedded audio, as well as ancillary ID and metadata information, along with the digital video signal. The HDXP Plus Series are ideal for routing HDTV and other high resolution digital video sources for digital cinema projection, biomedical imaging, satellite mapping and visualization, rental and staging environments, and other applications.

SERIES FEATURES

- Automatically adapts to SMPTE and ITU digital video standards for 3G-SDI, HD-SDI, and SDI
- Data rates from 143 Mbps to 2.97 Gbps
- Optimized for dual-link HD-SDI
- Passes embedded audio, ancillary ID and metadata information, and SD/HD-SDTI digital video signals
- Input equalization
- Output reclocking
- User-selectable reclocking modes
- Input preview mode with dedicated output
- I/O grouping
- Ethernet monitoring and control
- RS-232 and RS-422 control port



SPECIFICATIONS

VIDEO	
Data rates	19 Mbps to 2.970 Gbps
Standard	SMPTE 259M, SMPTE 292M, SMPTE 372M, SMPTE 424M, ITU-R BT.601, ITU-R BT.1120
VIDEO INPUT	
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
VIDEO OUTPUT	
Nominal level	800 mV ±10%
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
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
Ethernet control port	1 female RJ-45 connector
GENERAL	
Power supply	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption	HDXP Plus 1616 23 watts HDXP Plus 3232 36 watts
Thermal dissipation	HDXP Plus 1616 80 BTU/hr HDXP Plus 3232 125 BTU/hr
Mounting	Rack mount Yes
Enclosure type	Metal
Enclosure dimensions	HDXP Plus 1616 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 8.9 lbs (4.1 kg) HDXP Plus 3232 11.9 lbs (5.4 kg)
Shipping weight	HDXP Plus 1616 15 lbs (7 kg) HDXP Plus 3232 18 lbs (9 kg)

For complete specifications, please go to www.extron.com

HDXP Plus 1616

16x16 Multi-Rate SDI Matrix Switcher

UNIQUE FEATURES

- 2U, full rack width



MODEL	VERSION DESCRIPTION	PART #
HDXP Plus 1616	16x16 Multi-Rate SDI Matrix Switcher	60-807-01

HDXP Plus 3232

32x32 Multi-Rate SDI Matrix Switcher

UNIQUE FEATURES

- Video genlock ~ Separate bi-level and tri-level references are provided for correct vertical interval switch timing for SDI and HD-SDI signals.
- 3U, full rack width



MODEL	VERSION DESCRIPTION	PART #
HDXP Plus 3232	32x32 Multi-Rate SDI Matrix Switcher	60-797-01