



VIDEO SYSTEM

- Up to 12 HD/SD video channels
- SD/HD autosense on every ingest channel
- Full 3D/1080p support (3G)
- 3 UHDTV-4K channels
- HD-SDI: ST 292-1:2011, ST 292:2012, 10-bit; 1080i 50/59.94Hz; 720p 50/59.94Hz;
- SDI: ST 259:2008, 10-bit; 625i 50Hz; 525i 59.94Hz
- Pass-through of SMPTE 334M ancillary data
- Dual-link HD SDI: ST 372:2011; 1080p 50/59.94Hz; Full 3D 1080i 50/59.94Hz & 720p 50/59.94Hz
- 3G-SDI: SMPTE 424M (Level-A & Level-B); 1080p 50/59.94Hz; Full 3D 1080i 50.59.94Hz & 720p 50/59.94Hz
- Full frame synchronizer on each input
- Mix/wipe effects on each playback channel
- Up to 2 monitoring output with switchable superimposed timecode and channel status per video channel: HD-SDI or SDI (software switchable)
- Internal bandwidth: over 3Gbps

VIDEO HD

- Avid DNxHD® (120/145Mbps)
- Avid DNxHD® High Level (185/220Mbps, 8-bit and 10-bit)
- VC-3 (SMPTE 2019-1; Avid-compatible) 100Mbps
- Apple ProRes® 4:2:2 (120/145Mbps)
- Apple ProRes® 4:2:2 HQ (185/220Mbps)
- Apple ProRes® 4:2:2 LT (85/102Mbps)
- AVC-Intra Class 100
- XAVC Class 100
- XDCAM HD (50 Mbps) 4:2:2
- M-JPEG – User selectable bitrate 20-360Mbps
- MPEG-2 intra – User selectable bitrate 20-360Mbps
- DVCPRO HD

VIDEO SD

- M-JPEG – User selectable bitrate 8-100Mbps
- IMX D-10 (SMPTE 356M) 30/40/50Mbps
- DVCPRO 50

AUDIO SYSTEM

- Up to 192 uncompressed audio tracks at 20 or 24 bits 48KHz
- Sample rate conversion at input from 25-55KHz to 48KHz
- Audio level adjustment at input and output
- Built-in audio router
- Scrub audio support
- Dolby-E® support (pass-through and cut edit)
- Analog Balanced: 8 inputs (4 pairs) + 8 outputs (4 pairs) on DB15 (110 Ω balanced) + 4 monitoring outputs (2 pairs) on XLR (110 Ω balanced)
- Discrete AES/EBU (SMPTE 272M): 16 inputs (8 pairs) + 16 outputs (8 pairs) on DB15 (110 Ω balanced) or BNC (75 Ω unbalanced) or 16 XLR (110 ohms balanced) - 6RU only
- MADI: 2 input (128 audio tracks) + 2 outputs (128 audio tracks) on BNC
- Embedded: up to 16 audio channels per video channel on 75 Ω BNC; ST 259:2008, ST 299-0:2010, ST 299-1:2009

MULTIVIEWER

- 4 HD-SDI output independently configurable
- 2 HD-SDI external inputs for multiviewer

DISK STORAGE

- Internal storage : 6 or 12 x SAS 900GB or 1.8TB (fixed mounting or hot swap disks)
- External storage, 2RU external disk array (24 hot swap disks per 2RU array, redundant power supply). Several external disk arrays can be cascaded for extended storage capacity
- Internal & external disk arrays can be used simultaneously
- Maximum capacity: up to 40 TB of net capacity

RECORDING CAPACITY

- HD at 100Mbps with 8 audio tracks: Up to 800 recording hours in RAID
- UHD-4K at 800Mbps with 8 audio tracks: Up to 100 hours recording hours

GENLOCK

- Tri-Level Sync and Analog Black & Burst
- 2 BNC, 75 Ω with loop-through

TIMECODE

- LTC: 1 input + 1 output on XLR (110 Ω balanced)
- HD-SDI: RP188 (HANC VITC1, HANC VITC2, HANC LTC)
- SDI: ST 12:2008 (VITC in VBI)

NETWORKING

- XNet[2] 3G-SDTI in & out on BNC
- 2 x Gigabit Ethernet on RJ45 (import/export of audio/video files)
- 2x 10GbE on SFP+

CONTROLS

- Ports: 6 x RS422; 1 x RS232; 12 x GPI (4 in, 4 out, 4 configurable)
- Protocols: Harris VDCP; Odetics; Sony BW75; XtenDD35; EVS AVSP
- 2 x Ethernet on redundant RJ45 (maintenance, EVS LinX API, SNMP)

MECHANICAL SPECIFICATIONS

- 19-inch enclosure with redundant power supply (hot swap)
- 4RU - Size (HxDxW) 177 x 692 x 445 mm/7" x 27.2" x 17.5"
Weight: 31 kg (68.2 Lbs) (± 5% depending on the number of disks)
- 6RU - Size (HxDxW): 270 x 692 x 445 mm/10.6" x 27.2" x 17.5"
Weight: 31 kg (85.8 Lbs) (± 5% depending on the number of disks)

TECHNICAL SPECIFICATIONS

DIFFERENCES BETWEEN MODELS

	XS3 4RU	XS3 6RU
Channels	8x HD/SD 8x 1080p (3G/Dual) No 3D	12x HD/SD 12x 3D/1080p (3G/Dual) 3x 4K
HDD mounting	Fixed	Hot Swap
SDTI	as an option	included
Dual mode (Intra+XDCAM)	as an option	as an option
Proxy	N/A	included
Multiviewer	included	included
10 GigE (SFP+)	as an option	included
3D	N/A	included
1080p	as an option	up to 12 channels
UHD-4K	Up to 2 channels	up to 3 channels
Storage & bandwidth	SAS - 370 MB/s Up to 6x900GB internal	SAS - 370 MB/s Up to 12x900GB internal
Audio tracks	Up to 128	Up to 192

6RU MODEL

SD-SDI/HD-SDI/3G-SDI IN/OUT connections

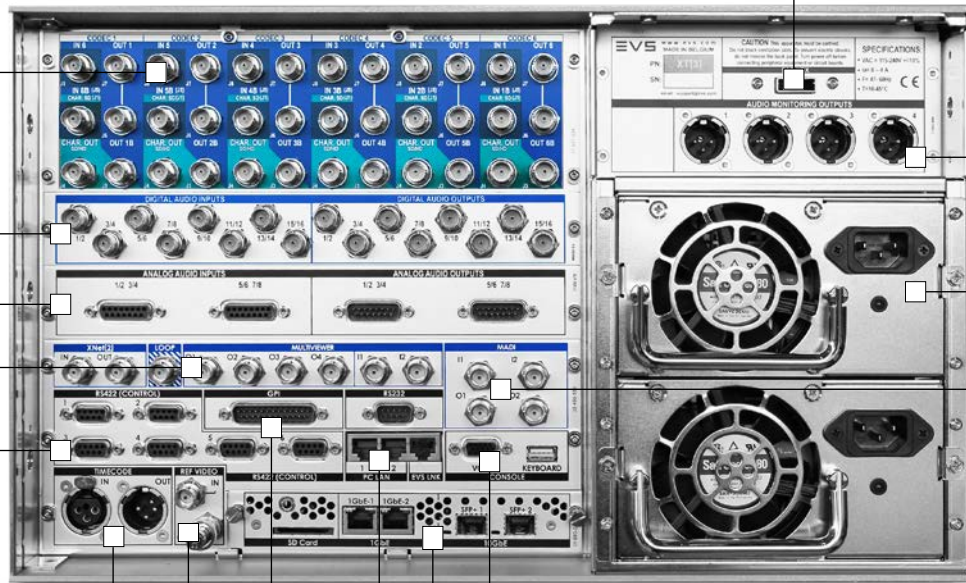
Digital Audio Input & Output

Analog Audio Input & Output

Multiviewer (option)

RS 422 connectors for EVS and third party controls

LTC Timecode



Video Reference (B&B or Tri-Level)

GPI

PC LAN

Console VGA + Keyboard

10GbE SFP+ or 1GbE RJ45

To external disk arrays

Audio Monitoring Outputs

Redundant Power Supply Module

MADI Audio Input & Output

6RU MODEL



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