

# XT-3



## Video System

- XT3 server available as HD/SD or SD with "HD Ready"
- Up to 8 HD/SD video channels
- Full 3D/1080p support (3G/Dual link), max. 6 channels (DualPower technology)
- HD-SDI: SMPTE 292M, 10-bit; 1080i 50/59.94Hz; 720p 50/59.94Hz
- Pass-through of SMPTE 334M ancillary data
- Dual-link HD SDI: SMPTE 372M; 1080p 50/59.94Hz; Full 3D 1080i 50/59.94Hz & 720p 50/59.94Hz
- 3Gbps SDI: SMPTE 424M (level B); 1080p 50/59.94Hz; Full 3D 1080i 50/59.94Hz & 720p 50/59.94Hz
- SDI: SMPTE 259M, ITU-R601, 10-bit; 625i 50Hz; 525i 59.94Hz
- Full frame synchronizer on each input
- Super Motion support (double and triple speed) in SD, HD and Full 3D
- Mix/wipe effects on each playback channel
- Built-in downconverter with broadcast quality for each video channel (input & output)
- 1 monitoring output with switchable super-imposed timecode and channel status per video channel: 1 x HD-SDI or SDI (software switchable)
- New hardware with increased internal bandwidth: over 3Gbps

## Video HD

- M-JPEG – User selectable bitrate 20-360Mbps
- 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, 8-bit and 10-bit)
- MPEG-2 intra – User selectable bitrate 20-360Mbps
- DVCPRO HD
- AVC-Intra Class 100

## Video SD

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

## Audio System

- Up to 96 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 XLR or 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 XLR (110 Ω balanced) or BNC (75 Ω unbalanced)
- Embedded: up to 16 audio channels per video channel on 75 Ω BNC; SD: SMPTE 259M; HD: SMPTE 299M

## Multiviewer

- Up to 8 channels
- Digital output:
  - 1 HD SDI
  - 1 SD SDI
- Analog output:
  - HD YUV / HD RGBHV / SD Y/C & composite (software switchable)

## Disk Storage

- Internal storage: 6 or 12 x SAS 300GB 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: 84 x 300GB (up to 20 TB of net capacity)

## Recording Capacity

(HD at 100Mbps with 8 audio tracks)

- Up to 381 recording hours in RAID 4+1 or RAID 5+1 with hot spare disks

## Recording Capacity

(SD at 50Mbps with 4 audio tracks)

- Up to 762 recording hours in RAID 4+1 or RAID 5+1 with hot spare disks

## Genlock

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

## Timecode

- LTC: SMPTE12M; 1 input + 1 output on XLR (110 Ω balanced)
- HD-SDI: RP188 (HANC VITC1, HANC VITC2, HANC LTC)
- SDI: SMPTE 266M (VITC in VBI)

## Networking

- XNet[2] 1.5 Gbps in & out on BNC (compatible with future XNet[3] 3Gbps SDTI network)
- XNet 540Mbps in & out on BNC
- 2 x Gigabit Ethernet on RJ45 (import/export of audio/video files) – Jumbo Frames 9000 bytes

## Controls

- Ports: 6 x RS422 (6RU chassis); 4 x RS422 (4RU chassis); 2 x RS232; 12 x GPI (4 in, 4 out, 4 configurable)
- Protocols: Harris VDCP; Odetics; Sony BW75; Thomson XtenDD35; EVS AVSP
- 1 x Ethernet on 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"
- 6RU - Size (HxDxW): 270 x 692 x 445 mm/10.6" x 27.2" x 17.5"



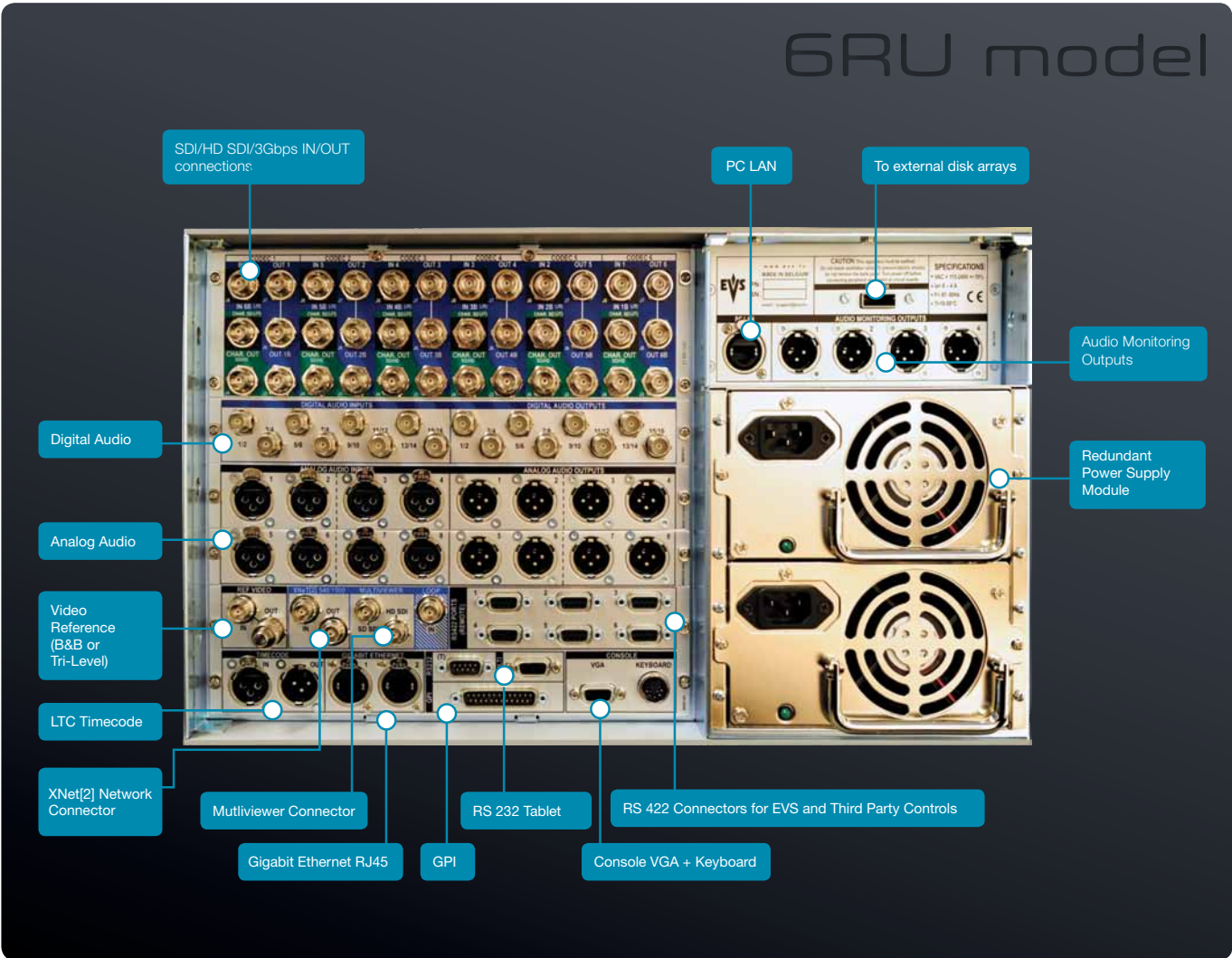


6RU model



	XT3 6RU	XT3 4RU
HDD max number (internal)	12	6
HDD mounting	Fixed or Hot-Swap	Fixed
Audio codec	96-ch	96-ch
Max. HD/SD channels	4 x 550Mbps 6 x 500Mbps 8 x 370Mbps	4 x 550Mbps 7 x 425Mbps
Max. 3D channels	6	4
Max. 1080p channels	6	4
Max. audio	6 x 16 audio 8 x 8 audio	4 x 16 audio 7 x 8 audio

## 6RU model



To learn more about EVS go to [www.evs.tv](http://www.evs.tv)