

VRX-8300



Network Video Server



- 4 SDI inputs and 4 SDI outputs
- VDCP Support
- Redundancy options (storage/power supply)

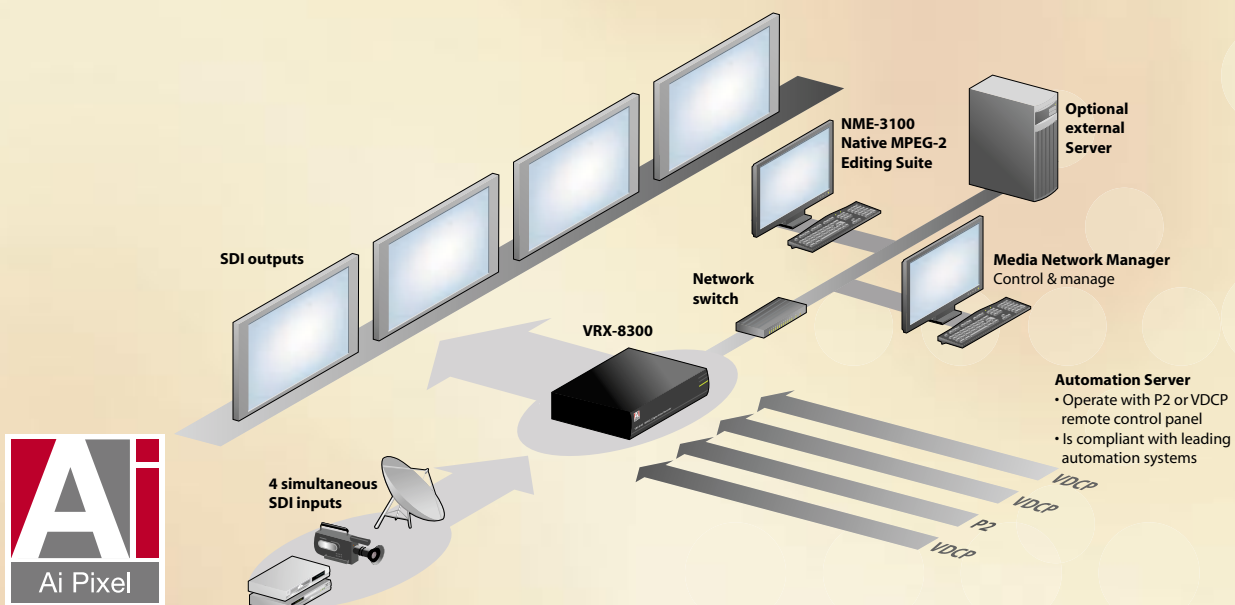
The new Ai-Pixel VRX-8300 Network Video Server, is a 4-channel SDI MPEG-2 Digital Video Server. It provides organizations with a single device that allows for simultaneous recording, playback, streaming, and export to external storage on all channels and has an exceptional internal storage capacity of up to 2 Terabytes or 4 months of video content.

The VRX is the foundation for all Ai-Pixel solutions. It is a high quality digital video and multimedia asset repository that allows a company to control, and therefore profit from, the process of **capturing** multiple channels of DVD-quality video and multimedia; **storing** up to 2 Terabytes of MPEG-2 quality digital media assets; **delivering** multiple channels of DVD-quality video and multimedia assets over-IP and **managing, editing and viewing** the stored digital media either over the network or across the Internet.

The VRX-8300 offers the same unique design as the VRX-8100 but answering demand from broadcasters, it incorporates a number of new features that truly sets it apart from other products available in the market today:

- 4 SDI inputs and 4 SDI outputs
- 4 Balanced Audio (XLR) inputs and 4 Balanced Audio (XLR) outputs
- Enhanced Graphical User Interface
- 4 fully VDCP compliant ports, making it compatible with a wide range of external automation control systems (Harris-Louth)
- Bit Rates 1 to 15 Mbps

The competitively priced VRX-8300 offers worldwide broadcasters highly reliable solutions which can be used for Broadcast Logging, TV Commercial Logging, Video over-IP / Remote News Contribution and Playout Server.



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Technical Specifications

MODEL NUMBER VRX-8300

VIDEO PROCESSING

Resolution	Full D1 resolution NTSC: 720 x 480 PAL: 720 x 576
Compression Method	MPEG-2 ISO 13818-2 Main Profile @ Main Level (MP@ML) 4:2:0 1 Mbps to 15 Mbps
Frame Rate	NTSC @ 30 fps PAL @ 25 fps

INPUT/OUTPUT

Video Standards	SDI - SMPTE259M
Video Input	4 SDI - SMPTE259M - 75 Ohm BNC
Video Output	4 SDI - SMPTE259M - 75 Ohm BNC
Audio Compression	MPEG-1 Layer II ISO 13818-3
Audio Input	4 balanced stereo channels 94 dB Dynamic Range
Audio Sampling Resolution	18 bit
Audio Sampling Frequency	32kHz, 44.1kHz, 48kHz
Time Code Input	LTC
Time Code Output	LTC
NETWORK Time Protocol	Fully supported

CONNECTIVITY

Network Interface	Ethernet 10/100BaseT via RJ-45 jack
Communications Protocol	TCP/UDP over-IP
Video Transport	File Transfer Protocol (FTP) for non-real-time remote video playback
Video Streaming	4 simultaneous and inde- pendent unicast or multicast Real-time Transport Protocol (MPEG-2 transport stream over UDP multiplexing) streams for live video viewing over the digital network connection

STORAGE

Recording duration	Up to 281 hours @ DVD recording quality (per channel) Up to 487 hours @ standard recording quality Up to 1150 hours @ transport recording quality
Network Storage	Manual or Automatic network archiving with optional fragmentation

AUTOMATION

VDCP	4 ports VDCP (Louth) - fully compatible with automation servers
Controllers	P2 protocol compatible
Playout	Automatic Playlist for all 4 channels
Recording	Automatic recording Scheduler for all 4 channels
Network Control	Fully compatible with the Media Network Manager for complete network control

REDUNDANCY

Power Supply	Optional redundant Power Supply
Storage	Optional redundant Storage

GENERAL

Power Source	120V AC, 60Hz / 220V AC, 50 Hz
Power Consumption	<150W
Ambient Operation Temp	0C - 55C (32F - 131F)
Relative Humidity	80% non condensing
Dimensions	430x90x512 mm 16.93x3.54x20.16 inches
Weight	15 kg (33 lbs)

