



XT-VRX-8100

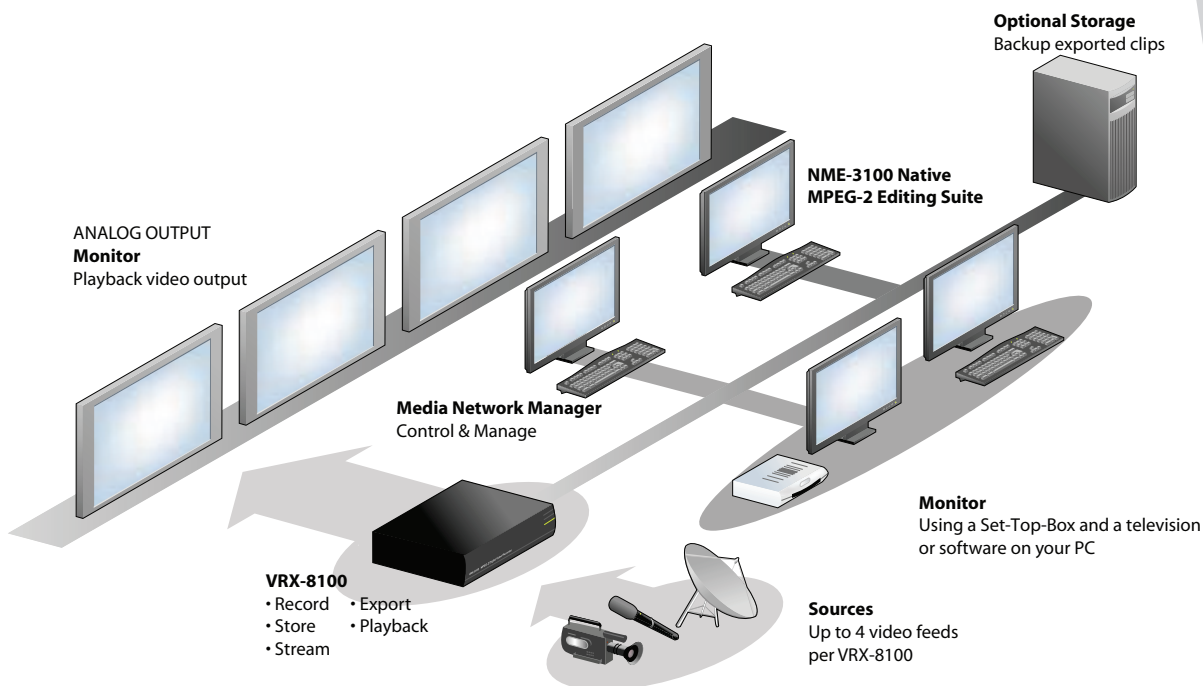
MPEG-2 Media Network Appliance

The XT-VRX-8100 is a 4 channel MPEG-2 Media Network Appliance and streaming server offering multi-channel, high-quality, video recording, storage, playback and streaming functionality. All in one state-of-the-art solution.

The VRX is the foundation for all Ai-Pixel solutions. Offering high quality digital video and a multimedia asset repository that allows a company to control, and therefore profit from, the process of capturing multiple channels of DVD quality video and CD-quality sound; 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.

This enables Ai-Pixel to offer organizations worldwide both an efficient and effective solution for Broadcast Logging, TV Commercial Logging, Video over-IP / Remote News Contribution and Dynamic Digital Signage.

- ✓ Video over-IP
- ✓ 4 record channels per unit
- ✓ 4 playback channels per unit
- ✓ 4 streaming channels per unit
- ✓ Up to 2 Terabytes of storage



e-mediavision.com
 info@e-mediavision.com
 Tel: +44(0)20 8755 2014
 Fax: +44(0)20 8230 7828
 19 Park Avenue
 Hounslow
 Middlesex
 TW3 2NA

XT-VRX-8100 MPEG-2 Media Network Appliance

Technical Specifications

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 8 Mbps |
| Frame Rate | NTSC @ 30 fps PAL @ 25 fps |

INPUT/OUTPUT

| | |
|---------------------------|---|
| Video Standards | NTSC, PAL |
| Video Input | 4 Composite Terminals (BNC) 4 S-Video Terminals (4-pin Mini-DIN) 1V p-p, 75 Ohms |
| Video Output | 4 Composite Terminals (BNC) 4 S-Video Terminals (4-pin Mini-DIN) 1V p-p, 75 Ohms |
| Audio Compression | MPEG-1 Layer II ISO 13818-3 |
| Audio Input | 4 stereo Channels (2 RCA jacks per channel) 94 dB Dynamic Range |
| Audio Sampling Resolution | 18 bit |
| Audio Sampling Frequency | 32kHz, 44.1kHz, 48kHz |

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 independent unicast or multicast MPEG-2 transport stream over UDP multiplexing streams for live video viewing over the digital network connection |

STORAGE

| | |
|-------------------------------------|---|
| Recording duration (per channel) | Over 45 hours @ DVD recording quality Over 78 hours @ standard recording quality Over 184 hours @ transport recording quality Larger storage capacity available upon request |
| Network Storage | Manual or Automatic network archiving with optional fragmentation |

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) |

