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DARIM®

www.darim.com

MV401EXP™/ MV410EXP™

**Full resolution H.264 and Windows Media® 9 Video Encoding /
Streaming and Decoding**

- Embedded, fail-safe technology for dedicated encoding and decoding
- MV401EXP encodes live H.264 and MPEG AAC at full D1 resolution
- Selectable Windows Media 9 A/V or H.264/AAC Encoding
- Automated streaming/reception - runs unattended
- Rack-mounted low-profile design for reduced cost-per-channel
- Remote operation/configuration/status monitoring via LAN/Internet
- Interfaces to most analog and digital A/V equipment
- Supports variety of resolutions, bitrates and frame rates
- Adaptive video noise reduction filter and de-interlacing hardware
- Broadcast D1 stream delivery to remote multi-format decoder
- Low-latency video streaming in H.264/AAC encoding mode
- Interfaces to Windows 2003 Media Server for WM9 content distribution/archiving

No more tradeoffs! Now you can reliably deliver outstanding video quality even with bandwidth constraints. MV401EXP broadcast A/V encoders and MV410EXP decoders are the state-of-the-art multimedia content encoding/decoding duo designed for live streaming over the Internet or satellite links using H.264 video and AAC audio format, as well as Windows Media 9 compression. Based on solid-state media design, MV401EXP and MV410EXP consistently perform H.264 and Windows Media 9 encoding and decoding day after day. Each supports IPMI technology to constantly monitor internal temperature and voltage sensors. Automatic Watchdog function ensures that a system is rebooted quickly in case of software problem.

The **MV401EXP** and **MV410EXP** combination is the ideal solution for low-bandwidth long distance digital A/V transmission. The MV401EXP offers increased compression without sacrifice in quality. In addition, the MV401EXP allows you to transmit more channels over the same satellite bandwidth than currently used for MPEG2. This not only increases channel capacity but also saves time and money.   MV410EXP is a dedicated multi-format broadcast quality A/V decoding device used on the receiving end. It is capable of converting compressed video and audio contents from the network link to digital or analog signal suitable for studio monitors, VTRs, switches and other professional equipment.

MV401EXP™   MV410EXP™

MV401EXP-Encoder

- Ultra slim profile 1U rack mount case
- Automatic streaming with power on
- H.264 Video and MPEG AAC Audio Encoding
- Also supports Windows Media 9 Professional Video and Audio encoding configuration
- Analog video and audio output to monitor
- Multiple resolution options, up to full D1
- 720x480 in NTSC
- 720x576 in PAL
- CIF and lower resolutions available to conserve bandwidth
- Multiple bitrate encoding simultaneously
- Variable frame rates available up to 30 fps in NTSC and 25 fps in PAL
- Adaptive video noise reduction and de-interlacing
- Supports DHCP and static IP assignment
- Accessible through Remote Desktop software
- Additional Options:
  - IEEE1394 DV input
  - Backup and indexing of encoded contents
  - Streaming Scheduling software
  - Real time status monitoring via LAN (IPMI)
  - Alarms via SNMP, pager

Video Inputs:
Composite
S-Video
Component (YUV/RGB with Int. or Ext. sync)
SDI

Audio Inputs:
Balanced analog audio
AES/EBU digital audio

Network:
1 Gigabit and 1x100Mbps Ethernet connections

Outputs:
Composite video and mono audio connections to monitor

Optional RS232 port for emergency recovery console

MV410EXP-Decoder

- Ultra slim profile 1U rack mount case
- Automatic connection with power on
- Multi-format decoding capability
- Supports H.264, MPEG AAC, WM9 formats
- Simultaneous digital and analog A/V output
- Genlock input for sync with other equipment
- Multiple resolution options, up to full D1
- 720x480 in NTSC
- 720x576 in PAL
- Supports DHCP and static IP assignment
- Accessible through Remote Desktop software
- Additional Options:
  - Reception/Playback Scheduling software
  - Real time status monitoring via LAN (IPMI)
  - Alarms via SNMP, pager

Video Outputs:
Composite
S-Video
Component (YUV/RGB)
SDI (differential)

Audio Outputs:
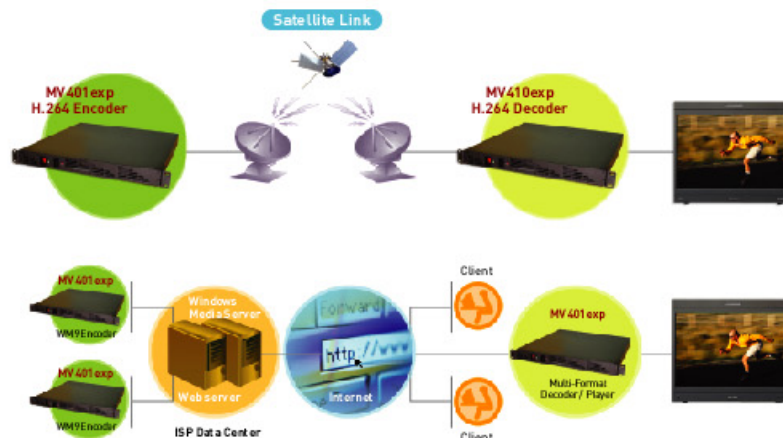Balanced analog audio
AES/EBU digital audio

Network:
1 Gigabit and 1x100Mbps Ethernet connections

Video Input:
Composite video for Genlock (Ref In)

Optional RS232 port for emergency recovery console

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