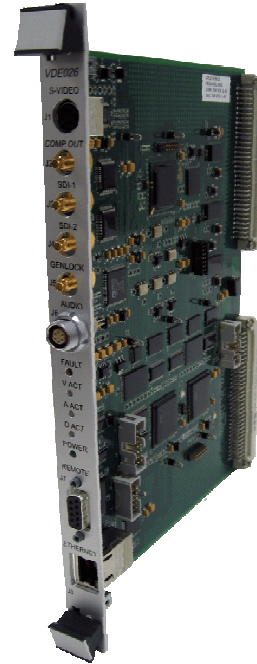


### FEATURES

- Real-time digital transmission of motion imagery
- Companion Decoder for Delta's 6000 Series Encoders (operates with any standards compliant encoder)
- Auto detect MPEG-2 or H.264
- Video, audio, and data demultiplexing
- Fully configurable network interface
- Accepts Unicast or Multicast transmissions
- Supports NTSC and PAL Formats
- Data Rates from 64Kbps to 12Mbps
- Composite and SDI video output
- Stereo/dual-channel audio outputs
- Genlock Input
- RS-232 or Ethernet port configurable
- Standard, 6U VME



The Model VDE026 Decoder Module provides for the real-time decoding of MPEG-2 or H.264 compressed video. An advanced DSP-based architecture provides the latest in video/audio compression technology. The VDE026 is connected directly to the network and is capable of receiving both unicast or multicast transmissions. When the module detects an MPEG-2 compliant transport stream it demultiplexes the stream and automatically detects the video compression algorithm (MPEG-2 or H.264). The video and audio elementary streams are decompressed and output via the front panel.

The VDE026 is easily configured for operation on any network via the RS-232 serial or Ethernet ports. All I/O connections are via the front panel. Status LEDs provide transport stream and network monitoring. The module is a standard 6U VME configuration requiring only power from the bus.

### VIDEO OUTPUT

**Ports** Four  
**Format** Composite/S-Video  
**Levels** 1.0Vp-p/Y=1.0; C=.3V; 75 Ohms  
**Connector** SMC/S-Video  
**Format** Serial Digital Interface (SDI)  
**Levels** IAW SMPTE-259M  
**Connector** SMC (2)

### GENLOCK INPUT

**Ports** One  
**Format** Composite  
**Levels** 1.0Vp-p  
**Connector** SMC

### VIDEO COMPRESSION

**Algorithm** Two  
**Format** H.264 Baseline/Main profile  
ISO/IEC 14496-10  
MPEG-2 Main Profile@Main Level  
ISO/IEC 13818-2  
**Modes** H.264 I-only/IP  
MPEG-2 I-only/IP/IPB  
**Resolutions** D1/2CIF/CIF/QCIF  
**Frame Rate** 1-30 (25 for PAL)

### TRANSPORT STREAM

**Ports** One  
**Format** 10/100 Ethernet IP  
**Protocol** ISO/IEC 13818-1  
MPEG-2 Transport Stream  
Video/Audio/Data  
**Data Rate** 64Kbps to 12Mbps  
**Configuration** DHCP or Static Address  
Selectable Ports  
Auto Sense Full/Half Duplex  
Unicast/Multicast  
**Connector** RJ-45

### AUDIO OUTPUT

**Ports** Two  
**Channels** None, Left, Right, Stereo  
**Format** Balanced (Line Level)  
**Levels** 2.8Vp-p (1Vrms)  
**Impedance** 10K Ohms  
**Connector** Lemo (6-pin)

### AUDIO COMPRESSION

**Algorithm** One  
**Format** ADPCM  
**Sample Rates** 8K/16Ksps  
**Sync** Lip synchronized with video

### CONTROL

**Ports** Two  
**Format** RS-232; TCP/IP  
**Protocol** Delta's 3-character mnemonics

### POWER

**Voltage** IAW VME Standard  
**Watts** 6W  
**Connector** VME P1, 96-Pin DIN

### SIZE

**Format** IAW VME 6U

