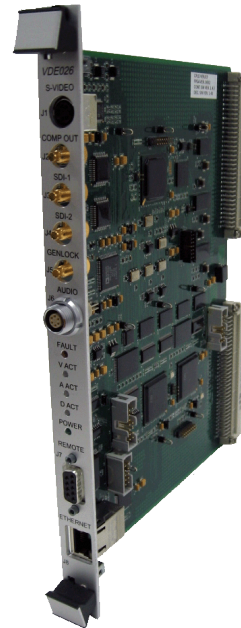


FEATURES

- 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
- MISB Compliant



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.

MPEG-2/H.264 DECODER MODULE

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
ISOIEC 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

