

### 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.

A division of Delta Information Systems, Inc.

300 Welsh Road, Building 3 • Horsham, PA 19044-2273 • Tel (215) 657-5270 • Fax (215) 657-5273 • [www.delta-info.com/ddv](http://www.delta-info.com/ddv)

Questi prodotti sono distribuiti e supportati in Italia da:

**Instrumentation  
Devices**

Instrumentation Devices Srl

Via Acquanera 29 - 22100 COMO (Italy)

ph +39 031 525 391- fax +39 031 507 984

[info@instrumentation.it](mailto:info@instrumentation.it) - [www.instrumentation.it](http://www.instrumentation.it)

**VIDEO OUTPUT**

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

**GENLOCK INPUT**

<b>Ports</b>	One
<b>Format</b>	Composite
<b>Levels</b>	1.0Vp-p
<b>Connector</b>	SMC

**VIDEO COMPRESSION**

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

**TRANSPORT STREAM**

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

**AUDIO OUTPUT**

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

**AUDIO COMPRESSION**

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

**CONTROL**

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

**POWER**

<b>Voltage</b>	IAW VME Standard
<b>Watts</b>	6W
<b>Connector</b>	VME P1, 96-Pin DIN

**SIZE**

<b>Format</b>	IAW VME 6U
---------------	------------



©2008 Delta Information Systems, Inc.  
All rights reserved. Revision 0208

A division of Delta Information Systems, Inc.

300 Welsh Road, Building 3 • Horsham, PA 19044-2273 • Tel (215) 657-5270 • Fax (215) 657-5273 • [www.delta-info.com/ddv](http://www.delta-info.com/ddv)

Questi prodotti sono distribuiti e supportati in Italia da:



Instrumentation Devices Srl

Via Acquanera 29 - 22100 COMO (Italy)

ph +39 031 525 391- fax +39 031 507 984

[info@instrumentation.it](mailto:info@instrumentation.it) - [www.instrumentation.it](http://www.instrumentation.it)