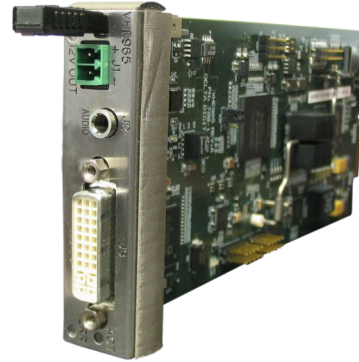


### FEATURES

- Real-time, high-quality encoding of full motion video for video-over-IP applications
- Standards-based, H.264 algorithms (HP/MP/BP)
- Resolutions up to 1080p
- Supports DVI-I (Digital/ Analog ) Formats
- Transmit video at rates as low as 64Kbps, up to 20Mbps
- RTP/UDP and TS/UDP Protocols
- Video/Audio/Data multiplexing IAW MPEG-2 Transport Standard
- MISB-Compliant
- Fully configurable network interface
- Encoder Latency <50ms
- Stereo/dual-channel audio inputs
- MPEG-1 Layer II Audio Compression
- Ethernet User Data
- IRIG-B Overlay
- Remote Set-up via Switch/ Control Module
- Multi-channel Packaging



The Model VHE965 DVI-I Video Encoder Module is part of Delta's 9600 Series Video Processing Chassis. The module is a network appliance designed to compress DVI/HDMI or DVI/RGBHV video for transmission over IP networks. The VHE965 provides a practical, cost-effective means to add High Definition ( HD ) digital and analog sensors to new or existing IP networks. The module can be combined with other 9600 series modules in Delta's Video Processing Chassis ( VPC ) to support video-over-IP applications with diverse video sources. The VPC supports encoding and decoding of HD/SD-SDI, Composite, and DVI/ HDMI video formats for ground stations, operations centers, classrooms, or flight testing.

Utilizing industry-standard H.264 compression, along with flexible adjustments for video resolutions, compression parameters, and network settings, the VHE965 can be configured to deliver high-quality video over any network. The unit is easily configured via the Ethernet port. Audio and user-data channel multiplexing provide for single-stream transmission. The VHE965 is compliant with most off-the-shelf video players.

## 9600 SERIES: DVI-I VIDEO ENCODER MODULE

### VIDEO INPUT

**Ports** One  
**Format** DVI/HDMI; RGBHV; RGsB  
**Connector** DVI-I

### VIDEO COMPRESSION

**Algorithm** H.264  
**Format** HP/MP/BP  
**Resolutions** 1080p/720p/1080i/480i/576i  
**Scaling** HH/HV/HH-HV  
**Frame Rate** 25/29.97/30/50/59.94/60  
**GOP Structure** Inter/Intra; Infinite/Variable Size

### TRANSPORT STREAM

**Ports** One  
**Protocol** MPEG-2 Transport Stream  
RTP  
**Data Rate** 64Kbps to 10Mbps  
**Format** 10/100 Ethernet IP  
**Configuration** DHCP or Static Address  
Selectable Ports  
Auto Sense Full/Half Duplex  
Unicast/Multicast

### USER DATA INTERFACE

**Ports** One  
**Protocol** Clear/KLV  
**Format** Ethernet

### CONTROL

**Ports** One  
**Format** TCP/IP  
**Protocol** Delta's 3-character mnemonics/HTML

### AUDIO INPUT

**Ports** One  
**Channels** None, Left, Right, Stereo  
**Format** Balanced (Line Level)  
**Levels** 2.8Vp-p (1Vrms)  
**Impedance** 10K Ohms  
**Connector** 3.5mm

### AUDIO COMPRESSION

**Algorithm** One  
**Format** MPEG-1 Layer I/II  
**Sample Rates** 8K/16Ksps  
**Sync** Lip synchronized with video

### ENVIRONMENTAL

**Temp (Op)** -20°C to +60°C  
**Temp (Storage)** -55°C to +85°C  
**Humidity** 5%-95% RH, non-condensing

### POWER

**Volts** +12VDC  
**Watts** 7W

### SIZE

**Chassis** Compatible with 9600 VPC ( 16-Slot ) & 9610 VPC ( 8-Slot )

### ORDERING INFORMATION

**Part Number** 730-100624-01 w/ Auxiliary Power Conn  
730-100624-02 w/o Auxiliary Power Conn

