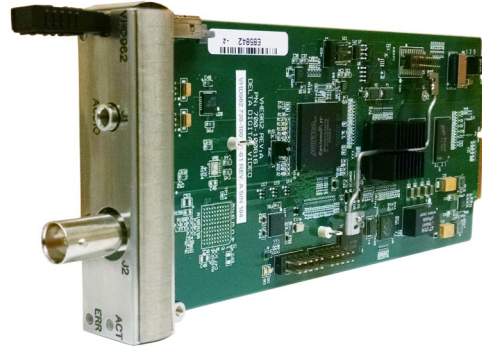


## 9600 SERIES: COMPOSITE VIDEO DECODER MODULE

# TECHNICAL SPECIFICATIONS

### FEATURES

- Real-time, high-quality decoding of full motion video for video-over-IP applications
- Standards-based, H.264 algorithms (HP/MP/BP)
- Supports NTSC/PAL Formats
- Receive video at rates as low as 64Kbps, up to 10Mbps
- RTP/UDP and TS/UDP Protocols
- Video/Audio/Data de-multiplexing IAW MPEG-2 Transport Standard
- MISB-Compliant
- Fully configurable network interface
- Latency <100ms
- Stereo/dual-channel audio outputs
- MPEG-1 Layer II Audio Decompression
- Remote Set-up via Switch/Control Module
- Multi-channel Packaging with 9600 Video Distribution System



The Model VHD962 Composite Video Decoder Module is part of Delta's 9600 Series Video Distribution System. The module is a network appliance designed to decompress NTSC or PAL video for transmission over IP networks. The VHD962 provides a practical, cost-effective means to add analog, Standard Definition (SD) sensors to new or existing IP networks. The module can be combined with other 9600 series modules in the video processing distribution chassis to support video-over-IP applications with diverse video sources. Delta's Video Distribution System supports encoding and decoding of HD/SD-SDI, Composite, and DVI/HDMI/VGA video formats for ground stations, operations centers, campus, or classrooms.

Utilizing industry-standard H.264 compression, the VHD962 is compatible with Delta's VHE961 Composite Video Encoder, Delta's stand-alone encoders, and other standards-based video encoders. The module can be configured to deliver high-quality video from any network. The VHD962 provides standard analog composite video and audio outputs and is easily configured via the Ethernet port.

## 9600 SERIES: COMPOSITE VIDEO DECODER MODULE

### VIDEO OUTPUT

**Ports** One  
**Format** NTSC/PAL  
**Connector** BNC

### VIDEO DECOMPRESSION

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

### TRANSPORT STREAM

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

### CONTROL

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

### AUDIO OUTPUT

**Ports** One  
**Channels** None, Left, Right, Stereo  
**Format** Single-ended ( Line Level)  
**Levels** 2.8Vp-p ( 1Vrms )  
**Connector** 3.5mm

### AUDIO DECOMPRESSION

**Algorithm** One  
**Format** MPEG-1 Layer II  
**Sample Rate** 48Ksps  
**Bit Rates** 64K/96K/192Kbps  
**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 VDS ( 16-Slot ) & 9610 VPC ( 10-Slot )

