

## 9600 SERIES: HD/SD-SDI 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)
- Resolutions up to 1080p
- Supports HD/SD-SDI Formats
- Receive video at rates as low as 64Kbps, up to 10Mbps
- RTSP/RTP/UDP and TS/UDP Protocols
- Video/Audio/Data multiplexing IAW MPEG-2 Transport Standard
- MISB-Compliant
- Fully configurable network interface
- Latency <100ms
- Stereo/dual-channel audio inputs
- MPEG-1 Layer II Audio Compression
- Remote Set-up via Switch/Control Module
- Multi-channel Packaging



The Model VHD964 HD/SD-SDI Video Decoder Module is part of Delta's 9600 Series Video Processing Chassis. The module is a network appliance designed to decompress HD/SD-SDI video for display on standard video monitors. The VHD964 provides a practical, cost-effective means to add High Definition (HD) and legacy Standard Definition (SD) sensors to new or existing IP networks. The module can be combined with other 9600 series modules in the video processing chassis to support video-over-IP applications with diverse video sources. Delta's Video Processing Chassis supports encoding and decoding of HD/SD-SDI, Composite, and DVI/HDMI video formats for ground stations, operations centers, or classrooms.

Designed as a companion to Delta's VHE963 HD/SD-SDI Encoder Module, the VHD964 utilizes the industry-standard H.264 compression algorithm for delivering high-quality video and audio to flat panels and video walls. The unit is easily configured via the Ethernet.

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Questi prodotti sono distribuiti e supportati in Italia da:

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## 9600 SERIES: HD/SD-SDI VIDEO DECODER MODULE

### VIDEO OUTPUT

**Ports** One  
**Format** HD/SD-SDI  
**Connector** BNC

### 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  
RTSP/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

### CONTROL

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

### AUDIO INPUT

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

### AUDIO DECOMPRESSION

**Algorithm** One  
**Format** MPEG-1 Layer II  
**Sample Rates** 64Kbps/96Kbps/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 VPC ( 16-Slot ) & 9680 VPC ( 8-Slot )



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