

FEATURES

- Real-time, high-quality decoding of compressed full motion video for video-over-IP applications
- Standards-based, H.264 algorithms (HP/MP/BP)
- Resolutions up to 1080p
- Supports DVI-I Formats
- Received video at rates as low as 64Kbps, up to 20Mbps
- RTP/UDP and TS/UDP Protocols
- Video/Audio/Data demultiplexing IAW MPEG-2 Transport Standard
- MISB-Compliant
- Fully configurable network interface
- Latency <100ms
- Stereo/dual-channel audio outputs
- MPEG-1 Layer II Audio Compression
- IRIG-B Overlay
- Remote Set-up via Switch/Control Module
- Multi-channel Packaging



The Model VHD966 DVI-I Video Decoder Module is part of Delta's 9600 Series Video Processing Chassis. The module is a network appliance designed to de-compress video for display. The VHD966 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.

Utilizing industry-standard H.264 compression and a fully configurable network interface, the VHD966 provides low-latency video and audio decoding for high quality, real-time display for any video network. The module is easily configured via the Ethernet port.

A division of Delta Information Systems, Inc.

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9600 SERIES: DVI-I VIDEO DECODER MODULE

VIDEO OUTPUT

Ports One
Format DVI-I
Connector DVI-I

VIDEO DECOMPRESSION

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

CONTROL

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

AUDIO OUTPUT

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

AUDIO DECOMPRESSION

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) &
9680 VPC (8-Slot)



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