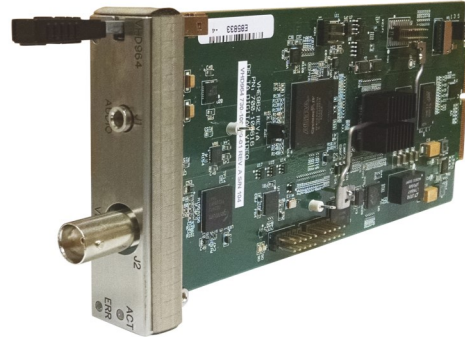


9600 SERIES: HD/SD-SDI VIDEO DECODER MODULE

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 Distribution System. 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 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 video formats for ground stations, operations centers, or classrooms.

Designed as a companion to Delta's VHE963 HD/SD-SDI Encoder Module, Delta's stand-alone encoders, and any standards-based encoder. 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.

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)
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 VDS (16-Slot) & 9680 VDS (8-Slot)

