DELTA
Digital Video

MODEL 4480D
H.264 HD/SD VIDEO DECODER

FEATURES

TECHNICAL SPECIFICATIONS

- Real-time, high-quality decoding of full motion video for video-over-IP applications

- Standards-based, H.264 algorithm (HP/MP/BP)

- Resolutions up to:
  SDI: 1080p
  VESA: 1920 x 1200

- Output Video Scaling

- Supports HD/SD-SDI, DVI (HDMI/RGBHV/RGsB), and NTSC/PAL Formats

- Receive video at rates as low as 64Kbps, and up to 20Mbps

- RTSP/RTP/UDP and TS/UDP Protocols

- MISB-Compliant

- Fully configurable network interface

- Decode latency as low as 50ms

- Stereo/dual-channel audio output

- MPEG-1 Layer II Audio Decompression

- Serial and Ethernet User Data

- RS-232 or Ethernet port configurable

- Compact, rugged packaging, including extended temperature (-38ºC to +74ºC)

The Model 4480D H.264 HD/SD Video Decoder is a network appliance designed to compress High Definition (HD) and Standard Definition (SD) video (HD/SD-SDI, HDMI, RGBHV, RGsB, NTSC, PAL) for transmission over IP networks. The unit converts compressed video streams to their original, or scaled, video formats for display. The 4480D is ideal for any remote monitoring application including, security, surveillance, and distance learning.

The 4480D is designed as a companion to Delta's 4000, 6000, and 9600 Series Encoders or any standards-based encoder. The 4480D 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 Ethernet.

This compact, rugged unit is capable of operation in harsh environments. Extended temperature operation makes it ideal for military, law enforcement, and traffic monitoring applications. An optional 1RU, multi-unit (up to 4) rack-mount adapter is available to ease integration.

VIDEO OUTPUT
Ports Two
Format SMPTE/VESA/NTSC/PAL
Connectors BNC/DVI

VIDEO DECOMPRESSION
Algorithm H.264
Format HP/MP/BP
GOP Structure Inter/Intra; Variable Size, Infinite
Scaling Up to 1920 x 1080

STREAMING INTERFACE
Ports One
Protocol MPEG-2 Transport Stream
RTSP/RTP
Data Rate 64Kbps to 20Mbps
Format 10/100/1000 Ethernet IP
Configuration DHCP or Static Address
Selectable Ports
Auto Sense Full/Half Duplex
Unicast/Multicast
Connector RJ-45

USER DATA INTERFACE
Ports Three
Protocol Clear/KLV/FLIR/Wescam
Format SDI/RS-232/RS-422/Ethernet
Connectors RJ-45/BNC (SDI)

CONTROL
Ports Two
Format RS-232/Telnet/Web Browser
Protocol Delta's 3-character mnemonics/HTML
Connector RJ-45

AUDIO OUTPUT
Ports Three
Format Analog/SDI/DVI
Channels None, Left, Right, Stereo
Analog Format Single-Ended (Line Level)
Analog Level 2.8Vp-p (1Vrms)
Analog Impedance 10K Ohms
Connector 3.5mm

AUDIO DECOMPRESSION
Algorithms One
Format MPEG-1 Layer II
Bit Rates MPEG-1: 64Kbps/96Kbps/192Kbps
Sync Lip synchronized with video

ENVIRONMENTAL
Temp (Op) -38ºC to +74ºC
Temp (Storage) -55ºC to +85ºC
Humidity 5%-95% RH, non-condensing

POWER
Volts **+**9-36VDC
Watts 7W
Connector 2.5mm Center Positive
(Locking Option)

SIZE
Chassis 1.12"H x 4.15"W x 4.5"D
28.4mm x 105.4mm x 114.3mm
Weight 0.75lbs. (340g)

Optional 1RU Rackmount Adaptor

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