DELTA
Digital Video

MODEL 4480D
H.264 HD/SD VIDEO DECODER

TECHNICAL SPECIFICATIONS

FEATURES

- 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 decompress High Definition (HD) and Standard Definition (SD) video (HD/SD-SDI, HDMI, RGBHV, RGsB, NTSC, PAL) for real-time applications. 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.

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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