MODEL 4480DS
H.264 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)

- Supports NTSC, PAL, RS-170

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

- RTSP/RTP/UDP and TS/UDP Protocols

- Video/Audio/Data demultiplexing IAW MPEG-2 Transport Standard

- Fully configurable network interface

- Decode Latency as low as 100ms

- Stereo/dual-channel audio outputs

- MPEG-1 Layer II and ADPCM Audio Decompression

- RS-232 or Ethernet port configurable

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

The Model 4480DS H.264 SD Video Decoder is a network appliance designed to decompress Standard Definition (NTSC, PAL, RS-170) compressed video streams in for video-over-IP applications. The unit converts the stream to its native resolution for display in any remote monitoring application including, security, surveillance, and distance learning.

Utilizing industry-standard H.264 compression algorithm, the 4480DS accepts Transport Stream or RTP/RTSP formats to deliver high-quality video over any network. The unit is easily configured via the Ethernet or serial port. The 4480DS is compatible with Delta's Model 4480ES and other standards-based encoders.

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

VIDEO OUTPUT
Ports One
Format Composite
Connector BNC

VIDEO DEOMPRESSION
Algorithm H.264
Format HP/MP/BP
Resolutions 480i/576i
Frame Rate 25/29.97/30
GOP Structure Inter/Intra; Variable Size
Scaling HH/HV/CIF

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 Two
Protocol Clear/KLV
Format RS-232/RS-422/Ethernet
Connector RJ-45

CONTROL
Ports Two
Format RS-232/Telnet/Web Browser
Protocol Deltás 3-character mnemonics/HTML

AUDIO OUTPUT
Ports One
Format Analog
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 Two
Format MPEG-1 Layer II/ADPCM
Sample Rates MPEG-1: 48Ksps
ADPCM: 6Ksps
Bit Rates MPEG-1: 64Kbps/96Kbps/192Kbps
ADPCM: 64Kbps
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

SIZE
Chassis 1.12"H x 4.15"W x 4.5"D
Weight < 0.75lbs.