TECHNICAL SPECIFICATIONS

The Model 4480ES H.264 SD Video Encoder is a network appliance designed to compress composite, Standard Definition (SD) video (NTSC, PAL, RS-170) for transmission over IP networks. The unit converts legacy cameras and A/V equipment to Ethernet compatible devices for any remote monitoring application including, security, surveillance, and distance learning.

Utilizing industry-standard H.264 compression, along with flexible adjustments for video resolutions, compression parameters, and network settings, the 4480ES can be configured to deliver high-quality video over any network. The unit is easily configured via the Ethernet or serial port. Audio and user-data channel multiplexing provide for single-stream transmission. The 4480ES is compatible with off-the-shelf video players and most decoding hardware.

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 adaptor is available to ease integration.
MODEL 4480ES
H.264 SD VIDEO ENCODER

VIDEO INPUT
Ports One
Format Composite
Connector BNC

VIDEO COMPRESSION
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
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 Delta’s 3-character mnemonics/HTML

TIME INPUT/OVERLAY
Ports One
Protocol IRIG-B (DC)
Serial Conn RJ-45

AUDIO INPUT
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 COMPRESSION
Algorithms Two
Format MPEG-1 Layer II/ADPCM
Sample Rates MPEG-1: 48Kbps
ADPCM: 6Kbps
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.