DELTA
Digital Video

MODEL 4410
VIDEO SERVER/DECODER

TECHNICAL SPECIFICATIONS

FEATURES

- Real-time, high-quality encoding/decoding of full motion video for video-over-IP applications
- Standards-based, MPEG-2/MPEG-4/H.264 algorithms
- Supports NTSC/PAL Composite Formats
- Transmit video at rates as low as 64Kbps, up to 10Mbps
- Video/Audio/Data multiplexing IAW MPEG-2 Transport Standard
- Bi-directional Audio/Data
- Fully configurable network interface
- Latency <250ms
- Stereo/dual-channel audio inputs
- MPEG-1 Layer I/II Audio Compression
- Multiple User Data Ports
- RS-232 or Ethernet port configurable
- Compact, rugged packaging, including extended temperature (-34ºC to +78ºC)
- MISB Compliant

The Model 4410 Video/Audio Server/Decoder is a network appliance designed to convert analog cameras into video-over-IP servers. The 4410 provides a practical, cost-effective means to add legacy sensors to new or existing IP networks.

Utilizing industry-standard MPEG-2, MPEG-4, or H.264 compression, along with flexible adjustments for video, compression, and network settings, the 4410 can be configured to deliver high-quality video over any network. The unit is easily configured via the Ethernet or serial port. Audio and data channel multiplexing provide for bi-directional, single stream transmission.

The 4410 is compliant with most off-the-shelf video players. The unit can also be configured as a decoder to convert back to composite video for display in ground stations or operations centers.

This compact, rugged unit is capable of operation in harsh environments. Extended temperature operation make it ideal for military, law enforcement, and traffic monitoring applications.

VIDEO INPUT/OUTPUT

Ports	Two
Format	NTSC/PAL Composite
Levels	1Vp-p; 75 Ohms
Connector	BNC

VIDEO COMPRESSION

Algorithm	MPEG-2 /MPEG-4/H.264
Format	MP@ML/SP
Resolutions	D1/2CIF/CIF
Frame Rate	Variable
GOP Structure	Inter/Intra; Variable Size

Note: The 4410 is configured at the factory with any 2 of the 3 algorithms; i.e. MPEG-2 & H.264.

TRANSPORT STREAM

Ports	One
Protocol	ISO/IEC 13818-1
	MPEG-2 Transport Stream
	Video/Audio/Data
Data Rate	64Kbps to 10Mbps
Format	10/100 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
Format	RS-232/RS-422/Ethernet
Baud	9.6Kb-115Kb
Connector	9-pin D-Sub

CONTROL

Ports	Two
Format	RS-232; TCP/IP (Telnet)
Protocol	Delta's 3-character mnemonics

AUDIO INPUT/OUTPUT

Ports	Two
Channels	None, Left, Right, Stereo
Format	Balanced (Line Level)
Levels	2.8Vp-p (1Vrms)
Impedance	10K Ohms
Connector	3.5mm

AUDIO COMPRESSION

Algorithm	One
Format	MPEG-1 Layer I/II
Sample Rates	8K/16Ksps
Sync	Lip synchronized with video

ENVIRONMENTAL

Temp (Op)	-34ºC to +78ºC
Temp (Storage)	-55ºC to +85ºC
Humidity	5%-95% RH, non-condensing

POWER

Volts	+12-24VDC
Watts	4W

SIZE

Chassis	1.2 "H x 4.92 "W x 6.5 "D

DELTA
Digital Video