

H.264/MPEG-2 VIDEO / AUDIO ENCODER, HALF-RACK MOUNT

FEATURES

- Real-time transmission of high quality digital video
- H.264 and MPEG-2
- Video, audio, and data multiplexing
- NTSC/PAL
- Data rates from 64k to 10Mbps
- Low latency modes
- Multiple resolutions
- Stereo audio
- Synchronized Metadata MISB/STANAG
- 1 RU, Half-rack mount chassis
- Metadata Support in compliance (optional KLV Encoding)



MODEL 6021H ENCODER

Delta's Model 6021H is an encoder that compresses video and audio signals, multiplexing them with meta-data and other system information for transmission to a remote decoder unit. The 6021H uses the H.264 (MPEG-4 Part 10) or MPEG-2 (MP@ML) video compression algorithms to provide high-quality video for any remote monitoring application. The H.264 standard is the latest compression algorithm and is designed to facilitate the transmission of full resolution, full frame rate, motion imagery in less bandwidth than its predecessors (Wavelet/MJPEG/MPEG-2). MPEG-2 is a proven algorithm used in many digital video transmission systems.

The 6021H is easily integrated into most remote monitoring systems. The standards-compliant transport stream is output on a synchronous serial interface (RS-422) or ethernet port (10/100 Base-T) for direct connection to the data link or recorder. The transport stream can be applied to one of Delta's companion decoders or played through a compliant software decoder.

H.264/MPEG-2 VIDEO / AUDIO ENCODER, HALF-RACK MOUNT**VIDEO INPUT**

Ports	One
Input 1	
Format	NTSC/PAL Composite
Levels	Comp: 1.0Vp-p/75 Ohms
Connector	BNC

VIDEO COMPRESSION

Algorithm (2)	ISO/IEC 14496-10 H.264 Baseline/Main Profile ISO/IEC 13818-2 MPEG-2 MP@ML
Modes	H.264: I-Only/IP
Resolution	D1/2CIF/CIF
Frame Rate	1-30 (25 for PAL)

MULTIPLEX

Protocol	ISO/IEC 13818-1 MPEG-2 Transport Stream Video/Audio/Data
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TRANSPORT STREAM

Ports	Two
Interface 1	Synchronous Serial (RS-530)
Levels	RS-422
Data Rate	64Kb to 10Mbps
Connectors	Circular MIL
Interface 2	10/100 Ethernet IP
Format	UDP/IP
Data Rate	64Kb to 10Mbps
Configuration	DHCP or Static Address Selectable Ports Unicast/Multicast
Connector	25-Pin D-Sub/RJ-45

METADATA (USER DATA)

Levels	RS-232
Connector	9-Pin D-Sub

AUDIO INPUT

Ports	One
Channels	None, Left, Left and Right*
Format	Balanced (Line Level)
Levels	2.8Vp-p (1Vrms)
Impedance	10K Ohms
Gain	0 to 64 db*
Connector	Lemo

AUDIO COMPRESSION

Algorithm	ADPCM
Sample Rates	8K/16K/32Ksps
Synchronization	Lip synchronized with video

CONTROL

Ports	Two
Port 1	
Protocol	Windows Application
Levels	RS-232C
Connector	Circular MIL
Port 2	
Protocol	TCP/IP
Platform	Windows
Connector	9-Pin D-Sub

ENVIRONMENTAL

Temperature	-20°C To +71°C
Humidity	95% Non-condensing

POWER

Voltage	90-264VAC
Frequency	47-63Hz
Connector	Standard IEC-320

SIZE

Dimensions:	1.75 " H x 8.5" W x 12 " D
Weight:	Less than 6lbs.

