

### FEATURES

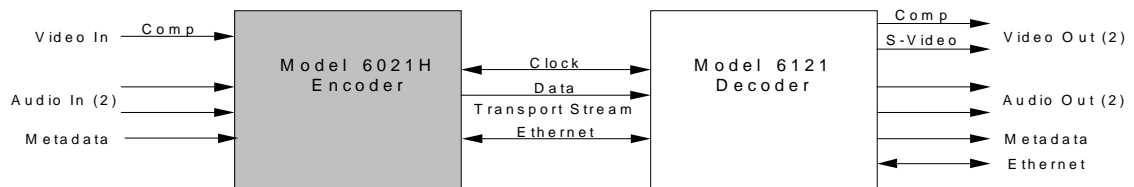
- Real-time transmission of high quality digital video
- H.264 and MPEG-2
- Video, audio, and data multiplexing
- NTSC/PAL
- Data rates from 64k to 10Mbps
- Low latency modes
- Multiple resolutions
- Stereo audio
- Synchronized Metadata MISB/STANAG
- 1RU, Half-rack mount Chassis



### MODEL 6021H ENCODER

Delta's Model 6021H is an encoder that compresses video and audio signals, multiplexing them with metadata 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.



**VIDEO INPUT**

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

**VIDEO COMPRESSION**

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

**MULTIPLEX**

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

<b>Ports</b>	Two
<b>Interface 1</b>	Synchronous Serial (RS-530)
<b>Levels</b>	RS-422
<b>Data Rate</b>	64Kb to 6Mbps
<b>Connectors</b>	Circular MIL
<b>Interface 2</b>	10/100 Ethernet IP
<b>Format</b>	UDP/IP
<b>Data Rate</b>	64Kb to 6Mbps
<b>Configuration</b>	DHCP or Static Address Selectable Ports Unicast/Multicast
<b>Connector</b>	25-Pin D-Sub/RJ-45

**METADATA (USER DATA)**

<b>Levels</b>	RS-232
<b>Connector</b>	9-Pin D-Sub

**AUDIO INPUT**

<b>Ports</b>	One
<b>Channels</b>	None, Left, Left and Right*
<b>Format</b>	Balanced (Line Level)
<b>Levels</b>	2.8V p-p (1 Vrms)
<b>Impedance</b>	10K ohms
<b>Gain</b>	0 to 64 db*
<b>Connector</b>	Lemo

**AUDIO COMPRESSION**

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

**CONTROL**

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

**ENVIRONMENTAL**

<b>Temperature</b>	-20°C To +71°C
<b>Humidity</b>	95% Non-condensing

**POWER**

<b>Voltage</b>	90-264VAC
<b>Frequency</b>	47-63Hz
<b>Connector</b>	Standard IEC-320

**SIZE**

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

