

FEATURES

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



MODEL 6121H DECODER

Delta's Model 6121H is the decoder companion to Delta's 6000 Series Encoders. The 6121 demultiplexes and decompresses video, audio, and data for real-time display and archiving. The 6121H uses the H.264 (MPEG-4 Part 10) and MPEG-2 video compression algorithm to provide high-quality video even with large compression ratios. 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).

The 6121H is easily integrated into most video transmission systems. A choice of a synchronous serial interface (RS-422 Clock/Data) or Ethernet port are available for interface to a data link or local area network. The 6121H has the unique capability of converting the serial port transport stream to a UDP/IP format for LAN transmission, while simultaneously decompressing the stream and outputting composite video. This permits both local and remote monitoring. The UDP/IP transport stream can be applied to a compatible H.264 or MPEG-2 software player for display on a PC or workstation.

H.264/MPEG-2 VIDEO / AUDIO DECODER, 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.

