

FEATURES

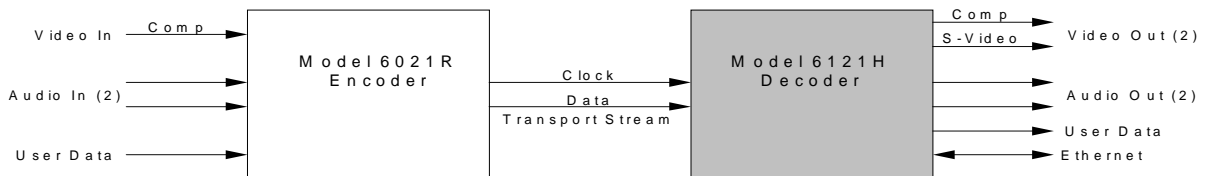
- Real-time digital transmission of broadcast quality video
- H.264 and MPEG-2
- Video, audio, and data demultiplexing
- NTSC/PAL
- Data rates from 64k to 10Mbps
- Low latency modes
- Multiple resolution modes
- Stereo audio
- User data
- Standard Half-Rack mount Chassis



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.



VIDEO OUTPUT

Ports	Two
Format	Composite/S-Video
Levels	1.0Vp-p/Y=1.0V; C=.3V
Impedance	75 ohms/Hi-Z (Selectable)
Connector	BNC/Mini-DIN

VIDEO COMPRESSION

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

DE-MULTIPLEX

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

Ports	Two
Interface 1	RS-530
Levels	RS-422
Data Rate	64Kb to 6Mbps
Signals	SD, RD, RT
Connectors	DB-25
Interface 2	10/100 Ethernet IP
Data Rate	64Kb to 6Mbps
Configuration	DHCP or Static Address Selectable Ports Auto Sense Full/Half-Duplex Unicast/Multicast
Connectors	RJ-45

AUDIO OUTPUT

Ports	Two
Channels	None, Left, Left and Right*
Format	Balanced (Line Level)
Levels	2.8V p-p (1 Vrms)
Impedance	10K ohms
Gain	0 to 64 db*
Connector	LEMO (6-pin)

AUDIO DECOMPRESSION

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

CONTROL

Front Panel Display	2 Line x 20 Characters 4 Button Keypad
Web Browser	TCP/IP

POWER

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

SIZE

1.75"H x 19"W x 12"D
Weighs less than 6 lbs.

