MODEL 6120H
H.264 VIDEO / AUDIO DECODER, HALF-RACK MOUNT

FEATURES

- Real-time digital transmission of broadcast quality video
- H.264 Compression
- 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 6120H DECODER

Delta's Model 6120H is the decoder companion to Delta's 602x Series Encoders. The 6120H demultiplexes and decompresses video, audio, and data for real-time display and archiving. The 6120H uses the H.264 (MPEG-4 Part 10) 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 6120H 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 6120H 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 software player for display on a PC or workstation.
## MODEL 6120H

**H.264 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**: ISO/IEC 14496-10
  - H.264 Baseline/Main Profile
- **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

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

### 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
    - **Connectors**: Circular MIL
  - **Port 2**
    - **Protocol**: TCP/IP
    - **Platform**: Windows
    - **Connector**: 9-Pin D-Sub

### ENVIRONMENTAL
- **Temperature**: 0°C To +60°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.

### METADATA (USER DATA)
- **Levels**: RS-232
- **Connector**: 9-Pin D-Sub

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