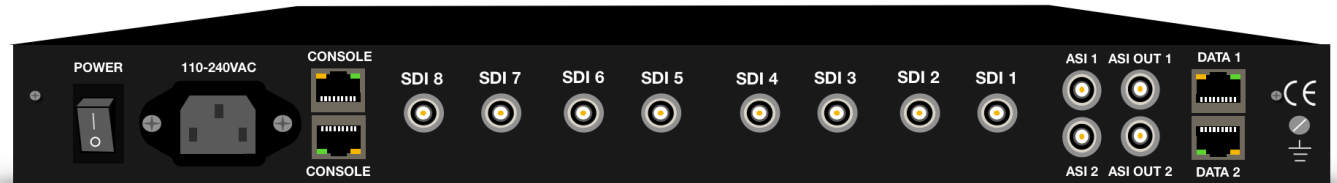
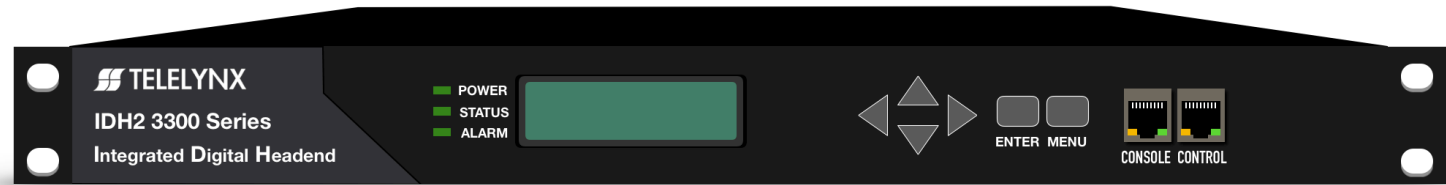




**MULTI  
CHANNEL  
LOW BIT-RATE**

**H.264 SD  
ENCODERS**

**WITH IP AND ASI  
OUTPUTS IN 1RU**



**DVB T2 S2 C IP ASI  $\rightleftarrows$  IP TS  $\rightleftarrows$  IP**

**MODEL IDH2 3300**

# Model IDH2 3300 Series

Telelynx introduces a new model of low-bit rate MPGE-4 AVC / MPEG-2 standard definition (SD) encoder for digital TV distribution in broadcasting, cable TV, satellite TV and media streaming. IDH2-3300 series of encoder feature a high density and flexible configuration, and can be made to provide four channels (Model IDH2-3304) or eight channels (Model IDH2-3308) of analog or digital audio/video input of MPEG-2 & MPEG-4 AVC SD video encoding and MPEG-1 Layer II/AAC-LC (optional) audio encoding.

This product supports both and DVB-ASI and TS-over-IP outputs. It also offers Web and SNMP management for convenient local and remote management and maintenance.

## MAIN FEATURES

Support 4 chs (Model IDH2-3304) or 8 channels (Model IDH2-3308) of MPEG-2/MPEG-4 AVC SD encoding in 1U chassis	Support PAL and NTSC High picture quality in low bit rate Support VBR/CBR video encoding	Support audio encoding of MPEG-1 Layer 2 (default) and AAC-LC (optional)
MPEG-1 Layer II or AAC-LC (license option) audio encoding	Support analog composite video and audio pairs inputs or SDI inputs with embedded audio.	Support TS multiplex with auto-generated PSI/SI
MPEG-2 video encoding rate can range from 0.5 to 5.5Mbps	Support MPTS/SPTS mode of MPEG TS-over-IP output (UDP/RTP).	Front panel control and LCD display
MPEG-4 AVC video encoding rate can range from 0.25Mbps to 5.5Mbps	Support dual DVB-ASI inputs and outputs	Web browser GUI and SNMP interface for remote management and control

# SPECIFICATIONS

## INPUT&OUTPUT

### COMPOSITE VIDEO:

4 or 8 x CVBS BNC female

### UNBALANCED AUDIO:

4 or 8 x Stereo pairs (R&L) BNC female

### SDI(OPTION):

8 \* SD-SDI, BNC

### ASI INPUT :

2 x ASI Inputs

### ASI OUTPUT :

2 x ASI outputs

### IP OUTPUT:

1 x 100/1000 Base-T Ethernet (RJ-45)

### NETWORK MANAGEMENT:

1 x 10/100 Base-T Ethernet (RJ-45)

## AUDIO ENCODING

### ENCODING STANDARDS:

MPEG-1 Layer 2 (default)

AAC-LC (optional)

### OPERATION MODE:

Stereo or Mono

## AUDIO ENCODING (CONT'D)

### SAMPLE RATE:

32 kHz, 44.1 kHz, 48 kHz

### VOLUME CONTROL:

-63dB to +20dB

### AUDIO ENCODING RATE:

#### • MPEG-1 LAYER II:

192/224/256/320 /384 kbps

#### • OPTIONAL AAC:

96/112/128/160/192/ 224/256/320 kbps

## PHYSICAL AND POWER

### INPUT POWER :

110 – 240 VAC, 50/60Hz

### POWER CONSUMPTION: Max. 30W

### OPERATING TEMPERATURE: 0°C to 45°C

### STORAGE TEMPERATURE: -20 to 80°C

### OPERATING HUMIDITY:

90%, non-condensing

### DIMENSIONS:

483mm x 44.5mm x 400mm(W x H x D)

### NET WEIGHT: Approx. 5 Kg (11 lbs)

## VIDEO ENCODING

### ENCODING FORMATS:

• MPEG-2: MP@ML

• MPEG-4 AVC: MP@L3

### RESOLUTION AND FRAME RATE:

576i, 480i

### ASPECT RATIO:

4:3, 16:9

### VIDEO CONTROL:

Brightness, Contrast, Chrominance and Hue

### VIDEO ENCODING RATE:

#### • MPEG-2:

0.5 to 5.5Mbps per channel

#### • MPEG-4 AVC:

0.25 to 5.5Mbps per channel

## MISCELLANEOUS

### FRONT PANEL:

3.5" LCD with 6 x Control Button for 2-lines information display and settings  
3 x Dual color LED, for status indications of power, functioning and Alarm