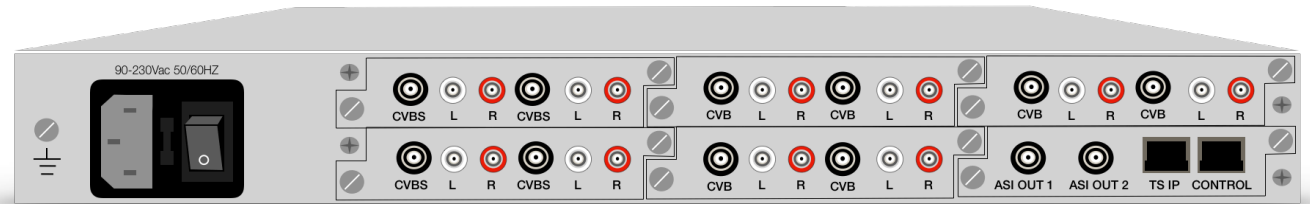




# MULTI CHANNEL

SD ENCODER  
H.264/MPEG2



DVB T2 S2 C

MPEG2

H.264  
MPEG-4/AVC

# MODEL IDH2-8000SE

# IDH2-8004/8006/8008/80010 SE

are real time low bit-rate encoders with Magnum chipsets, designed specifically for Digital Television systems, featuring dual power supply, advanced video filtering, jitter-free, standard-compliant transport stream, where both H.264 and MPEG-2 are supported.

Telelynx is proud to introduce a reliable, low bit-rate and high-performance multiple-channel H.264 / MPEG-2 standard definition (SD) encoder integrated with a re-multiplexer. This product line includes four, six, eight and ten channels of H.264 / MPEG-2 SD encoders to be multiplexed to an MPTS ASI output and IP output.

## MAIN FEATURES

Size: 1 rack unit	Support IP unicast and multicast	Dual power supplies: 1 main, 1 backup with auto backup.
Front panel control: System parameter setting and alarm message 2 x 20 display, 4 LED, 6-Key buttons	Support IP output (UDP/ RTP protocol)	Number of H264/MPEG-2 encoders: 4, 6, 8, or 10.
Rear panel: up to 10 analog CVBS and audio inputs, 2 ASI outputs (1 main, 1 backup), 2 RJ-45 ports (1 for network manager, 1 for TS over IP output), both at 100 Base-T	Network management with management software for setting, configuration, and management of each element of the integrated headend through Ethernet.	Number of multiplexer: 1 (default)

# SPECIFICATIONS

## INPUT

### VIDEO:

CVBS, BNC type, 75 ohm

### AUDIO:

Un-balanced Analog, RCA type,  
Hi-impedance (Audio gain selectable )

## OUTPUT

**IP:** TS OVER IP

**ASI OUTPUT BIT RATE:** Up to 160 Mbps

**PROTOCOL:** UDP/RTP

**SUPPORT UNICAST/MULTICAST**

**SUPPORT BOTH OF THE TWO IP**

**MODES:**

**IPD:** up to 10 IP output ports, where Port  
1-10 corresponds to encoder 1-10.

**IPM:** One multiplexed IP output.

## MULTIPLEXER

### RE-MULTIPLEXING:

Up to 10 internal encoded SPTS inputs

**ASI OUTPUT BIT RATE:**

Up to 160 Mbps

## VIDEO CODING

### SPEC:

Support up to 10 audio and video  
H.264/MPEG-2 encoding, standard  
definition, MP@L3

### RESOLUTION:

720x480x60i, 720x576x50i

**A/D PRECISION: 10 BITS**

**VIDEO GOP SELECTABLE**

## MANAGEMENT PORT

10/100M Ethernet

## AUDIO CODING

### SPEC:

MPEG-2 Layer 1/2 audio

**AUDIO BIT RATE:**

**MPEG4** 64/ 128/ 192/ 256/ 320/  
384 Kbps

**MPEG2** 192/ 256/ 320/ 384 Kbps

**SAMPLING :** 48KHz

## CONTROL

### FRONT PANEL :

Configuration and Alarm messages,  
2x20 LCD display and keypad

### NETWORK MANAGEMENT:

Head-end management software to fully  
control the unit and detect the alarm  
remotely

## PHYSICAL AND POWER

### DUAL INPUT POWER:

90~260VAC with auto switch (1 main, 1  
backup.)

**WEIGHT :** App. 4 Kg

### DIMENSION :

48.3 cm (W) x 35.5 cm (D) x 4.3 cm (H)

**POWER CONSUMPTION :** 35 W

**OPERATING TEMP :** 0°C to +45°C

### STORAGE TEMP :

-10°C to +70°C

Humidity : 0 to 95%, non-condensing