TELELYNX

HIGH
DEFINITION
DVB Series
ENCODER
H.264

TELELYNX
- POWER
- KB LOCK
- STATUS
- COMM

Integrated Digital Headend

IDH2 9000 Series

DVB

90-230Vac 50/60HZ

SDI HDMI SDI HDMI | SDI HDMI SDI HDMI | SDI HDMI SDI HDMI
SDI HDMI SDI HDMI | SDI HDMI SDI HDMI | ASI OUT 1 ASI OUT 2 TS IP CONTROL

DVBT2S2C HDMI H.264 MPEG-4/AVC
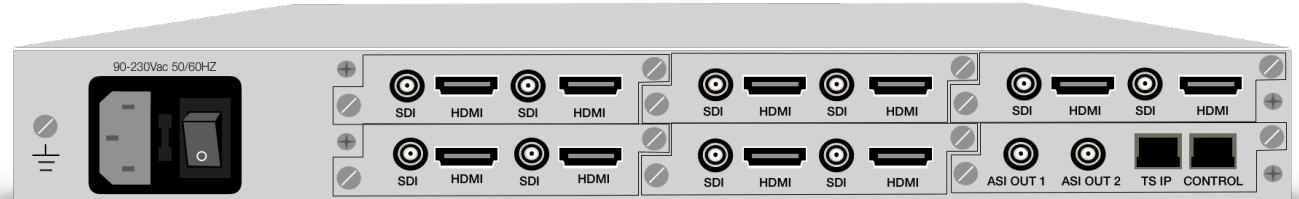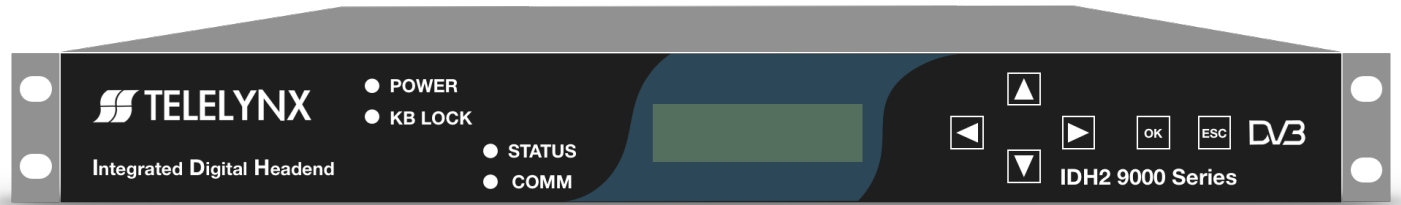
MODELIDH2 9000S
9004/9006/9008/90010 HE

IDH2-9000S are real time distribution encoders designed specifically for Digital Television systems, featuring dual power supply, advanced video filtering, compressed audio and a jitter-free and standard compliant H.264 compressed transport stream.

Regardless of your distribution system being cable, satellite, terrestrial, MMDS, or IPTV, the IDH2-9004/9006/9008 and 90010-HE boast to deliver a reliable and vivid picture quality meeting all mission-critical applications.Within this product line is a reliable, low-cost and high-performance multiple-channel H.264 high definition (HD) encoder integrated with a re-multiplexer.Within this product line is a reliable, low-cost and high-performance multiple-channel H.264 high definition (HD) encoder integrated with a re-multiplexer. This product line includes four, six, eight and ten channels of H.264 HD encoders to be multiplexed to an MPTS ASI output and an IP output.

MAIN FEATURES

Size: 1 rack unit	Support HDTV input format SMPTE-274M/SMPTE-296M-2001, ITU-R BT.656	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 1 GigE IP output (UDP/RTP protocol) as well as ASI output (after multiplexing)	Compatible with IGMPv1, v2 and v3
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)	Network management with management software for setting, configuration, and management of each element of the integrated headend through Ethernet.	Number of HD encoders: 4, 6, 8, or 10.
Support IP unicast and multicast	Support SI(SDT) and Edit function	Number of multiplexer: 1 (default)

SPECIFICATIONS

INPUT

Video:
Up to 10x SDI/HD–SDI/3G–SDI, 10 x HDMI

Audio:
SDI embedded audio, HDMI embedded audio (Audio gain selectable)

OUTPUT

ASI: TS, 2 ports, BNC,MPTS

IP: TS OVER IP, 100M Ethernet, RJ45 x 1 STPS and MPTS,PROTOCOL:UDP/RTP
SUPPORT UNICAST/MULTICAST/IP

MANAGEMENT PORT

10/100M Ethernet,RJ45

MULTIPLEXER

RE–MULTIPLEXING:
Up to 10 internal encoded SPTS inputs

ASI OUTPUT BIT RATE:
Up to 160 Mbps

VIDEO CODING

SPEC:
H.264 High Profile / Level 4.0
HD (Level 4.2 only for 1080p)

RESOLUTION:
1920x1080x60p/50p,
1920x1080x60i/50i,
1440x1080x60i/50i,
1280x720x60p/50p,
720x480x60i, 720x576x50i

BIT RATE: 20Mbps Max. per channel

VIDEO GOP SELECTABLE

AUDIO CODING

Spec: MPEG–2 Layer II, MPEG–2 AAC
Audio Bit Rate: 32/ 64/ 128/ 192/ 256/ 320/ 384 Kbps

Sampling : 48KHz

AC–3 pass Through (Not Native Encoding)

Channel : 2 Channels

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 (IDH2–90010–HE)

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