TELELYNX

HIGH
DEFINITION
DVBSERIES
ENCODER 4K/H.265

Integrated Digital Headend

POWER
KB LOCK
STATUS
COMM

OK ESC DVB

IDH2 9000 Series

90-230Vac 50/60HZ

SDI1 SDI2 SDI3 SDI4   SDI1 SDI2 SDI3 SDI4   SDI1 SDI2 SDI3 SDI4

SDI1 SDI2 SDI3 SDI4   SDI1 SDI2 SDI3 SDI4   ASI OUT 1 ASI OUT 2 TS IP CONTROL
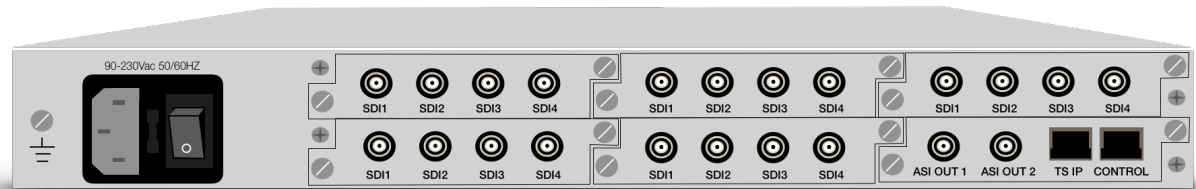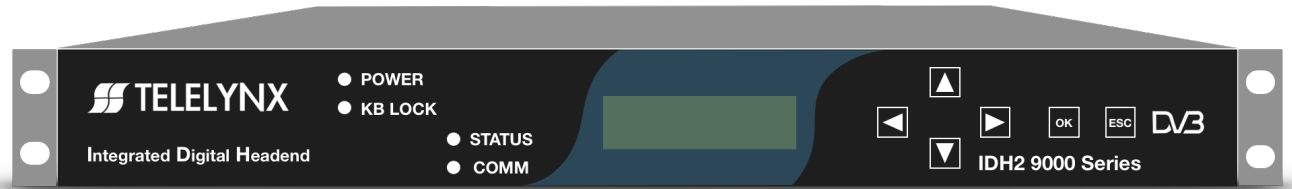
DVBT2S2C HDMI 4K ULTRAHD H.265 HEVC

MODELIDH2 9200

IDH2 9200

IDH2 9200 series of encoder features a high density to allow for five encoding modules, where each module has four SD/ HD encoding channels, or 1 UHD encoding channel, to make up to 4 and a maximum of 20 channels of H.265/HD encoding, or 1 and a maximum of 5 channels of H.265/HEVC encoding. PSI/SI processing, multiplexing and re-multiplexing outputs over DVB-ASI and IP. This encoder also supports Web browser and management for local and remote management and maintenance. Supports dual power supply.

Telelynx introduces a high-performance, high-density high-definition (HD) encoder with a modular design based on advanced H.265 (HEVC) compression. It incorporates the state-of-the-art hardware compression technologies to deliver multi-standard, multi-profile and multi-channel capabilities for cable, satellite, and terrestrial broadcasting applications.

MAIN FEATURES

Size: 1 rack unit	Number of UHD encoders: 1,2,3,4, or 5. 1RU modular design, supporting up 5pluggable encoding modules	Dual power supplies: 1 main, 1 backup with auto backup.
Front panel control: Configuration and power , statues ,OK and Ese, LCD display and keypad	MPEG TS-over-UDP/RTP output, supporting SPTS/MPTS mode	Number HD encoders: 4, 6, 8, 12 , 16 , or 20.
MPEG-1 Layer II, MPEG-2 AAC， Linear MPEG TS re-multiplexing, PCR and PSI/SI processing	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

SDI INPUT:
up to 20 x SDI Input, BNC–Female
SMPTE–435M/SMPTE ST2036–3/SMPTE
424M (3G–SDI)/SMPTE 274M/SMPTE
292M (HD–SDI)/SMPTE 259M–C(SD–SDI)

MODULE:
1*Main Module for Management, TS IP, ASI
outputs. 4*SDI Input per Module up to 5
slots of pluggable encoding modules

OUTPUT

IP ENCAPSULATION:
MPEG TS–over–UDP/RTP
IP OUTPUT BIT RATE:
Up to 80 Mbps/CH@UHD 20 Mbps/CH@HD
ASI OUTPUT BIT RATE:
2*ASI OUT ASI output bit rate: Up to 160
Mbps
MPEG TS MODE : SPTS/MPTS

MANAGEMENT PORT

1x100/1000 Base–T Ethernet (RJ45)

VIDEO CODING

SPEC:
H.264(AVC) , H.265(HEVC), MPEG–2

RESOLUTION:
3840x2160x60p/50p (4K/UHD)，
1920 x 1080 x 60p/50p，
1280 x 720 x 60p/50p，
1280 x 720 x 60p/50i(AVC)，
720 x 480 x 60i，
720 x 576 x 50i

A/D PRECISION: 10 bits

ENCODING RATE MODE: CBR, VBR

VIDEO ENCODING RATE:
Up to 80 Mbps/CH@UHD,20 Mbps/CH@HD

AUDIO CODING

SPEC:
MPEG–1 Layer 2,MPEG–2 AAC, Linear PCM
AUDIO BIT RATE:
64/ 128/ 192/ 256/ 320/ 384 Kbps

SAMPLING：48KHz

OPERATION MODE：STEREO

CONTROL

FRONT PANEL :
Configuration and power , statues ,OK
and Ese, LCD display and keypad

NETWORK MANAGEMENT:
Web management for remote &
maintenance management

PHYSICAL AND POWER

DUAL INPUT POWER:
110~240VAC with auto switch (1main,1
backup.)

WEIGHT : App. 5 Kg

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

OPERATING TEMP: 0℃ to +45℃

STORAGE TEMP: –10℃ to +70℃

MULTIPLEXER

Re–multiplexing:
Up to 10 internal encoded SPTS inputs
ASI output bit rate:
Up to 160 Mbps