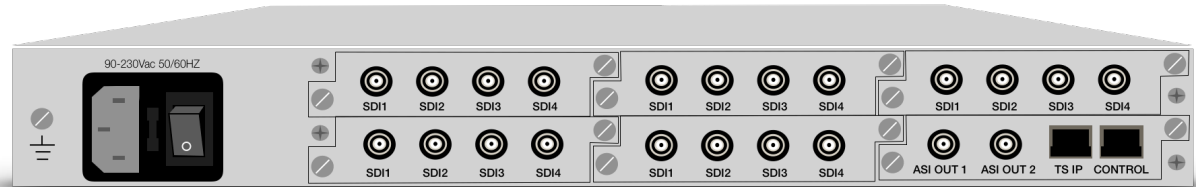




MULTI CHANNEL DVBSERIES ENCODER



DVB T2 S2 C **4K UHD** **SDI** **H.265 HEVC**

MODEL 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 to 5 pluggable encoding modules	Dual power supplies: 1 main, 1 backup with auto backup.
Front panel control: Configuration and power, status, OK and Esc, 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°C to +45°C

STORAGE TEMP: -10°C to +70°C

MULTIPLEXER

Re-multiplexing:

Up to 10 internal encoded SPTS inputs

ASI output bit rate:

Up to 160 Mbps