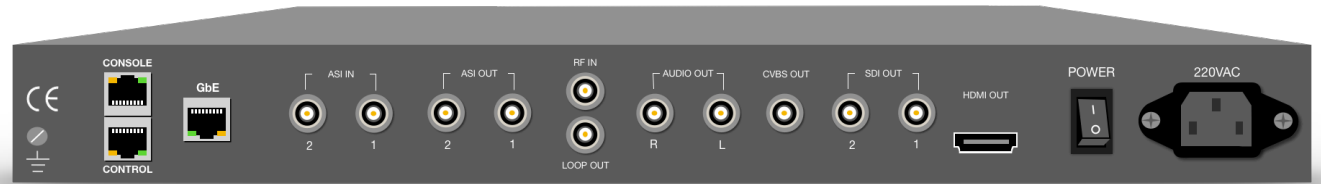
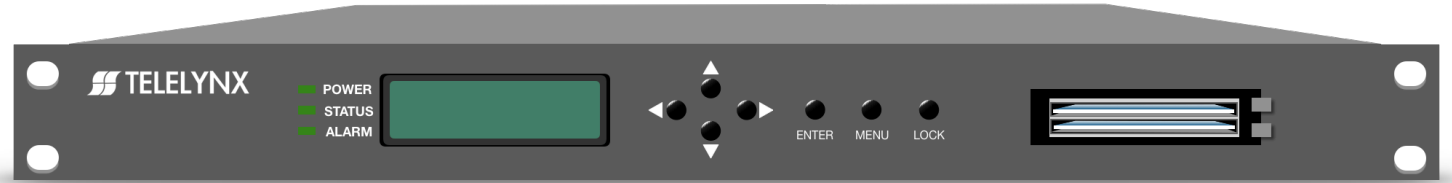




PROFESSIONAL IP IRD DVB Series

MPEG-4 HD
H.264/AVC



DVB S2 HDMI H.264 IP
MPEG-4/AVC

MODEL 860HD-IP
LAVISION



LaVision 860HD-IP Telelynx introduces an advanced, flexible and high-performance professional integrated receiver decoder (IRD), LaVision 860HD-IP, compliant with H.264 (MPEG-4 AVC) for HD / SD IP headend applications.

This versatile IRD can take input of DVB-S/S2 to receive / de-modulate signals from satellite, cable, and terrestrial and then output in HD-SDI/SDI, HDMI, and CVBS formats, or encapsulated in TS IP for IP transmission or IPTV applications. This IRD can also take DVB-ASI input and perform as an IP encapsulator. In this IRD, two optional common interface slots are available for decoding common CA such as Irdeto, Conax, Nagravision, Viaccess, Mediaguard, etc. The 860HD-IP represents an advanced and versatile program source, supporting most common broadcasting formats.

MAIN FEATURES

Size: 1 rack unit	Dual DVB-CI slots, supporting up to 16 descrambling of TV programs Up to 72Mbps of descrambling bit rate each CAM slot	Outputs resolutions: 480i (NTSC), 576i (PAL), 1080i, 720P, 1080P
DVB-S/S2 RF demodulation, TS descrambling Universal MPEG-2, MPEG-4 AVC SD/HD/FHD, AVS and AVS+ video decoding	Standard common interface complied with EN 50221, supporting most major CA systems	MPEG TS-over-UDP/RTP inputs and outputs, supporting SPTS and MPTS
MPEG-1 Layer 2, DRA2.0 audio decoding, optional AAC decoding	Supports various decoding outputs: composite video, unbalanced audio, HDMI and 3G-SDI	Dual ASI inputs and outputs Supports Web and SNMP-based management

SPECIFICATIONS

DVB ASI INPUTS & OUTPUT

Numbers of Interface : 2 x ASI

Connector Type : BNC (Female, 75Ω)

Data Format : 188/204 Bytes

Bit Rate :

- 1.5 to 100 Mbps each Up to 100Mbps output
- (72Mbps after descrambling)

IP INPUT & OUTPUT

IP Interface : GbE(RJ-45)

MPEG TS Format : 7 x 188 Bytes

IP Encapsulation :

MPEG TS-over-UDP/RTP

MPEG TS Mode :MPTS or SPTS

Operation Mode :

TS Inputs and multiplexing outputs

Number of TS :

- Input: 128(max.)
- Output: 4

Addressing : Unicast or Multicast

Protocol : UDP, RTP, ARP, IGMP, ICMP

DVB-S/S2 INPUTS

NUMBER OF INPUTS :

1 x L-band Input

CONNECTOR TYPE :

F-Type (Female, 75Ω)

STANDARDS : DVB-S ,DVB-S2

CONSTELLATIONS : DVB-S: QPSK

DVB-S2 : QPSK/8PSK

FREQUENCY RANGE : 950~2150MHz

INPUT SIGNAL LEVEL : -65 to -25dBm

LNB Power Output :

0V/+DC 13V/18V, I max=400mA

PHYSICAL AND POWER

Power Supply AC : 110V-240V 50/60Hz

Weight : App. 5 Kg

Dimension :

48.3 cm (W) x 44.5 cm (D) x 4.3 cm (H)

Operating Temp. : 0°C to +45°C

Storage Temp. : -20°C to +80°C

Maximum Humidity : 90%

Power consumption : 30W

VIDEO DECODING

DECODING FORMATS :

MPEG-2 SD: MP@ML

MPEG-2 HD: MP@HL

MPEG-4 AVC SD: MP@L3.0

MPEG-4 AVC HD: HP@L4.0

MPEG-4 AVC FHD: HP@L4.2

AVS, AVS+

RESOLUTION& FRAME RATE :

SD :

720x576i@25fps/720x 480i@29.97fps

HD:

1920 x 1080i@25/29.97fps 1280 x

720p@50/59.94fps

FHD:

1920 x 1080P@50/59.94fps

ASPECT RATIO : 4:3 or 16:9

AUDIO DECODING

Decoding Standards :

MPEG-1 Layer 2, DRA2.0

Operation Mode :Stereo or Mono

Supported Sample Rate :

32 kHz, 44.1 kHz, 48 kHz

Audio Decoding Rate :

64kbps to 384 kbps