



HIGH DEFINITION DVB Series

ENCODER
H.265



DVB T2 S2 C HDMI 4K ULTRA HD H.265 HEVC

MODEL 8811UE

MODEL–LaVision8811UE

Telelynx releases a new professional UHD/4K video encoder to meet the demand of UHD TV broadcasting driven by the popularity of UHD TV in the market. This LaVision 8811UE encoder offers UHD/4K high–resolution and high frame– rate to deliver exceptional user experience.

The encoder supports 4:2:2 and low–latency encoding. With its HEVC bitrate savings, content encoded in real–time via HEVC (H.265) will save significant amount of bandwidth for transmission. This encoder using the most advanced compression technology is equipped with 2–channel HDMI interface (1channel input with 1 port for backup), allowing for encoding of 1 channel of UHD/4K video signal.

The device supports ASI, Gigabit IP input and output. With its wide range of encoding tools, and excellent video quality, this encoder offers incredible compression efficiency, making live UHD/4K delivery possible for satellite, cable, and terrestrial broadcasting systems, and for fiber networks.

MAIN FEATURES

Size: 1 rack unit	maximum 3840X2160@60P video coding Support VBR / CBR	4*MPTS (UDP / RTP protocol) output Accurate PCR adjusting
Embedded hardware coding H.265 / HEVC and H.264 / MPEG–4 /AVC Video encoding	Low latency Mode PSI/SI editing/insert supported PID remapping	IP null packet filtering Real time output bitrate monitoring Management via External SNMP and WEB
Superior real–time HEVC compression, with ultrahigh video compression ratio	MPEG–1 Layer2, LC–AAC, AC3 pass–through Audio encoding HDCP2.2, HDCP 1.4 supported 1 channel HDMI video loop out	Easy–to–Use System Management Reliable for 24/7 operation

SPECIFICATIONS

INPUT

HDMI INPUT :

2 channels HDMI interface
(for 1 channel input with 1 port for backup)
Support HDCP 2.2, HDCP 1.4
HDMI embedded audio
128*IP over UDP / RTP protocol

ASI INPUT:

2*ASI input, BNC interface

IP INPUT:

128*IP over UDP / RTP protocol

OUTPUT

ASI OUTPUT:

• DVB INTERFACE:

ASI stream out, Comply to EN 50083-9 ASI Standard, BNC, 75Ω

MPEG-TS OVER IP OUTPUT:

• IP OUTPUT:

MPTS over UDP/RTP, 1000 Base-T Ethernet interface (unicast / multicast)

• OUTPUT FORMAT:

188 bytes

VIDEO CODING

SPEC:

HEVC/H.265, MPEG-4 AVC/H.264

INTERNATIONAL STANDARD :

encoding

ASPECT RATIO : 16:9(HD)

LOW DELAY : 50-500 ms

CHROMA : 4:2:2, 4:2:0

BIT RATE : 2Mbps~36Mbps

ENCODING RATE MODE : VBR, CBR

GOP STRUCTURE :

IBBP

Scene change detection

Brightness / Contrast / Saturation /

Chroma / Horizontal Offset

Stereo or Single channel

AUDIO CODING

SPEC:

MPEG-1 Layer2, LC-AAC, AC3

PASSTHROUGH

AUDIO BIT RATE:

32~384kbps each channel

SAMPLING : 48KHz

QUANTIZATION : 24bit

VIDEO INPUT

RESOLUTION :

3840×2160_60P, 3840×2160_50P,
3840×2160_30P, 3840×2160_25P,
1920×1080_60P, 1920×1080_50P

FRAME : 25Hz, 30Hz, 50 Hz, 60Hz

CHROMA : RGB, YCbCr 4:4:4, YCbCr
4:2:2, YCbCr 4:2:0 (2160P_50/60 only)

MANAGEMENT

MANAGEMENT :

Web management

INTERFACE : 1 x 10/100 Base-T

PHYSICAL AND POWER

POWER SUPPLY AC :

100V-240V 50/60Hz, 2A

WEIGHT : App. 4 Kg

DIMENSION :

48.3 cm (W) x 25.5 cm (D) x 4.3 cm (H)

OPERATING TEMP : -10°C to +50°C

STORAGE TEMP : -10°C to +75°C

MAXIMUM HUMIDITY : 90%

POWER CONSUMPTION : 25W