



Encode, store, transcode and stream broadcast-quality video

LiveStream Encoder HD/SD is specifically designed to provide an all-IP solution from SDI channel. This equipment is a video encoder H264/AVC HD/SD. It enables to encode and transcode broadcast-quality video at data rates from 2 to 20Mb/s.

With 1TB storage capacity, LiveStream Encoder HD/SD can store, read, stream, transfer or transcode videos.

MPEG2 to H264 transcoding functionality reduces by half the required bandwidth while preserving broadcast quality video.

Three Gigabit Ethernet ports enable flexibility for Broadcaster, Telco's and Contribution Operators.

























LiveStream Encoder HD/SD is a flexible solution that fits easily to costs and needs.

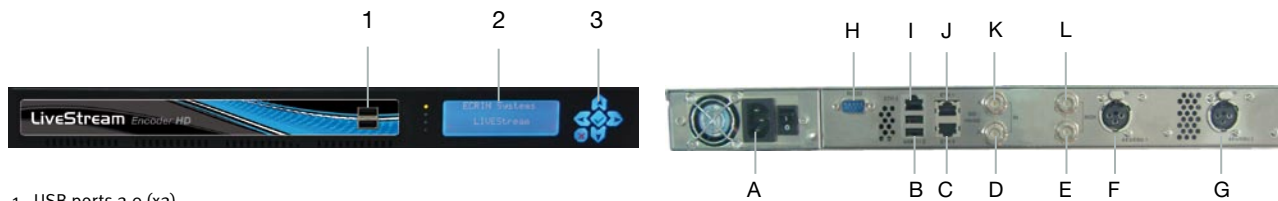
Following 1U/19" specifications, it provides up to two SDI channels in a compact footprint.

Full redundancy, SNMP management and low power consumption technology ensure a high level of security and reliability.

Local and web remote MMI allow easy configuration and control.

Features

 >  > 	Encode SDI video input and stream to IP
 >  > 	Encode SDI video input and store to HDD
 >  > 	Read H264 video from HDD and stream to IP
 >  > 	Encode XLR AES-EBU or embedded audio. MPEG1 Layer 2, AC3, AAC supported
 >  > 	Read MPEG2 video from IP, transcode to H264 format and stream to IP
 >  > 	Read MPEG2 video from IP, transcode to H264 format and store to HDD
 >  > 	Read MPEG2 video from HDD, transcode to H264 format and stream to IP
 >  > 	Read MPEG2 video from HDD, transcode to H264 format and store to HDD



- 1 - USB ports 2.0 (x2)
- 2 - 4 lines of 20 characters display
- 3 - Keyboard - On/Off, Reset, User utilities

- A - Power inlet
- B - USB 2.0 ports (x2)
- C - Gigabit Ethernet Port (ETHo)
- D - SDI IN channel 2
- E - SDI Monitoring channel 2
- F - Audio IN channel 2
- G - Audio IN channel 1
- H - RS422 Port
- I - Gigabit Ethernet Port (ETH2)
- J - Gigabit Ethernet Port (ETH1)
- K - SDI IN channel 1
- L - SDI IN Monitoring channel 1

Technical features

FUNCTIONS	Encoding: Up to 2 channels Transcoding: Up to 2 channels
VIDEO INPUTS	Encoding: Up to 2 SD/HD-SDI (SMPTE 292, 259M) Transcoding: MPEG2-TS via RTP-UDP/IP or HDD
VIDEO OUTPUT	MPEG2 Transport Stream over UDP-RTP/IP or HDD
VIDEO RESOLUTIONS	1920x1080 59.94i, 1920x1080 50i, 1280x720 59.94p, 720x480 59.94i, 720x576 50i
VIDEO SPECIFICATIONS	Standard compression: H264/AVC Main Profil Level 3.0, High Profil Level 4.0 - CBR,VBR - 4:2:0 encoding - Video encoding rate: 2 to 20 Mb/s
AUDIO INPUT	Serial Digital AES (balanced, unbalanced) Embedded in SDI
AUDIO SPECIFICATIONS	Encoding formats: - MPEG-1 Audio Layer 2 - Dolby Digital (AC-3*) 2-ch - MPEG-2 AAC (LC profile) 2-ch - LPCM 2-ch
IP INPUT/OUTPUT	3 GbE RJ45, RTP-UDP/IP, Unicast/Multicast Stream up to 20 different IP addresses
STORAGE	1TBytes SATA disk
MANAGEMENT	Remote: Web based management, SNMPv3 manageable Local MMI / LCD-Keypad Security: Fan control, Temperature control Presets: Up to 64 different encoding/transcoding profiles Wake on LAN RS422 Automation
DIMENSIONS/WEIGHT	19", 1RU, 43.9 cm depth/ 7,9 kg
POWER SUPPLY/CONSUMPTION	Input Voltage Range: 90-264VAC Power consumption: (Max) 80W, 2 channels
ENVIRONMENTALS	Temperature: Operating 0°C to 50°C, Storage -20°C to 70°C, Humidity 85% non condensing
CE COMPLIANCE	EMC: EN55022, EN55024 Safety: EN 60950

Ordering informations

ENC-HD1-U: 1 channel HD encoder, unbalanced Audio
ENC-HD1-B: 1 channel HD encoder, balanced Audio

ENC-HD2-U: 2 channels HD encoder, unbalanced Audio
ENC-HD2-B: 2 channels HD encoder, balanced Audio