

LTN Hardware Appliance - 1080P60 Encoder

Control and Monitoring:	LTN Customer Management and Monitoring Web Portal
Power:	150W max power draw (100-240VAC @50-60Hz)
Physical:	1RU chassis, 1.7" H, 16.8" W, 10" D (43mm x 426mm x 254mm), 16lbs
Mounting:	2 or 4 post rackable. Fits square/round racks
Ports:	Front or rear port configuration available
Transport:	1x RJ45, MPEG-2 Transport Stream, ISO/IEC standard 13818-1 Multiple TS channels can be transported simultaneously
SDI Ports:	HD/SD-SDI BNC (SMPTE 292M 1.485 Gpbs / SMPTE 259M 270 Mbps)
Encode/Decode:	4 bi-directional (IN or OUT) ports 1 Encode instance per 1RU Unit

Encoding Unit Specs

Video

Encode up to 40 Mbps MPEG-TS

SD Encode:

- 720x480i@29.97 fps & 720x576i@25 fps (NTSC/PAL Compatible)
- H.264/MPEG-4 AVC, 4:2:0 Chroma: Main Profile, L3

HD Encode:

- 1080p@60, 59.94, 50, 30 fps
- 1080i@25, 29.97, 30 fps
- 720p@50, 59.94, 60 fps
- H.264/MPEG-4 AVC, 4:2:0 Chroma: High Profile, Level 4.2
- SCTE 104 -> SCTE 35 (simple profile, unidirectional)
- ad trigger encoding

Group of Pictures:

- H.264: P, IBP, Adaptive B Frames

Closed Captions:

- EIA-608 (SD) and EIA-708 (HD)

Audio

Audio Input (Digital):

- 16 channel (8 pair), SMPTE 272M (SD), SMPTE 299M (HD)
- AC3(A/52) 48 kHz digital pass-through (4 pair)

Audio Encoding:

- MPEG 1 Layer 2, 48 kHz, Common bitrates: 128, 192, 256, 384 Kbps