

LiveEdge® Node - Technical Specifications

LiveEdge® Node is the entry point into the LiveEdge® Ecosystem - but far from entry level - and is ready to evolve as workflows change. Node is upgradeable at any time by remotely adding LiveEdge® subscriptions.

Compute (SysBench Performance)

~2950 operations per second

General

+12V Input; 8 Watts total
IEEE802.3af Power over Ethernet
Dimensions: 1.5" x 5.0" x 4.234"
Action Button to start/stop RTMP streaming

Video Encoding

Input Resolutions

3840x2160 (UHD)	p30, p29.97, p25, p24, p23.98
1080	i/p60, i/p59.94, i/p50, p30, p29.97, p25, p24, p23.98
720	p60, p59.94, p50
576	i/p50; 480i/p60, i/p59.94

Encode Resolutions

3840x2160 (UHD)	p30, p29.97, p25, p24, p23.98
1080	p60, p59.94, p50, p30, p29.97, p25, p24, p23.98
720	p60, p59.94, p50
576	p50
480	p60, p59.94

*scaled resolutions, frame rate same as source

Codecs

H.265/HEVC (8 bit) or H.264/AVC, Baseline, Main, High

Bit Rates

500kbps - 50Mbps

Rate Control & Transport Control

Variable, Constant

Audio Encoding

Encode Format

MPEG-4 AAC-LC in ADTS
Opus (for WHIP)
64/96/128/192/256/320/384/512 kbps

Encode Sampling Frequency

32, 44.1, 48KHz

I/O

Video

HDMI v1.4a input
or 3G-SDI input
SMPTE-334-2 608/708 Closed Captions (HD/4K)
SCTE-35 splice marker insertion via REST API or SCTE-104 ingest

Audio

3.5mm Analog Audio input - Line level
Embedded HDMI/SDI input
Up to 8 channels of audio over SDI input

Recording

USB 3.0, SD Card

Network

10/100/1000 Ethernet (RJ-45)

Simultaneous Streaming & Recording Capabilities

Streaming (per channel)

RTMP/RTMPS/RTSP/SRT/Zixi/WHIP x 3
Unicast x 2 (RTP over UDP, Raw UDP)
Multicast (RTP over UDP, Raw UDP)
HLS (TS, fMP4)**
MPEG-DASH**

**Supports Multi-Bit-Rate

Recording

USB/SD Card (MPEG-TS or MP4)
FTP upload

Network & Control

LiveEdge® Cloud Control

Web browser Interface
Fleet configuration, management, & monitoring
REST API integrates with third-party controllers
DHCP (Default) / Static IP Address
Command and Control: HTTP
XML Polling