

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
VESA	1920x1200p60, p50

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
VESA	1920x1200p60, p50

*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