

# 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

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

### Encode Resolutions

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

### 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/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