

# LiveEdge® Max - Tech Specs

LiveEdge® Max boasts double the CPU (8 cores) of LiveEdge® Node, 2.5x compute, 20x compute for AI/ML.

## Compute (SysBench Performance)

~4500 operations per second

## General

+12V Input (10-15V 25 Watts Max)

IEEE802.3af Power over Ethernet (PoE+)

Dimensions: 1.75" x 5.77" x 6"

2" 320x240 video monitor (menu/status), 3 control buttons

## Video Encoding (Dual Channel)

### Input Resolutions

<b>3840x2160 (UHD)</b>	p60, p59.94, p50, p30, p29.97, p25, p24, p23.98
<b>2048x1080 (2K)</b>	p60, p59.94, p50, 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>	p60, p59.94, p50, p30, p29.97, p25, p24, p23.98
<b>2048x1080 (2K)</b>	p60, p59.94, p50, 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, 540 p*, 360 p*, 270 p*, 180 p*

\*scaled resolutions, frame rate same as source

\*\*For differences between supported HDMI and SDI input resolutions reference [Help Center](#)

## Codecs

H.265/HEVC (8 or 10\* bit) or H.264/AVC, Baseline, Main, High

\*future availability

## Bit Rates

500kbps - 100Mbps

## Rate Control & Transport Control

Variable, Constant

## Audio Encoding (16 Channel)

### 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 2.0 input

2x 12G-SDI inputs or 1x 12G-SDI w/ looping output

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 16 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

REST API integrates with third-party controllers

DHCP (Default) / Static IP Address

Command and Control: HTTP

XML Polling