

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

3840x2160 (UHD)	p60, p59.94, p50, p30, p29.97, p25, p24, p23.98
2048x1080 (2K)	p60, p59.94, p50, 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; 480p60, p59.94
VESA	2560x1440p60, p50; 1920x1200p60, p50

*LiveEdge Max currently supports only progressive inputs, interlaced inputs will be available via software update

Encode Resolutions

3840x2160 (UHD)	p60, p59.94, p50, p30, p29.97, p25, p24, p23.98
2048x1080 (2K)	p60, p59.94, p50, 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, 540 p*, 360 p*, 270 p*, 180 p*
VESA	2560x1440p60, p50; 1920x1200p60, p50

*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