

videon

EdgeCaster

4K HEVC Encoder

- Ultra Low Latency featuring HLS/DASH/CMAF
- Supports multiple different bit rate outputs
- Up to 8 channels of audio over SDI input

Technical Specifications



Video Encoding

Input Resolutions

3840x2160p30, p29.97, p25, p24, p23.98
1080i/p60, i/p59.94, i/p50, p30, p29.97, p25, p24, p23.98
720p60, p59.94, p50
576i/p50; **480i**/p60, i/p59.94

Encode Resolutions

3840x2160p30, p29.97, p25, p24, p23.98
1080p60, p59.94, p50, p30, p29.97, p25, p24, p23.98
720p60, p59.94, p50
576p50; **480**p60, p59.94
540p*; **360p***; **270p***; **180p***
(*scaled resolutions, frame rate same as source)

Codec: H.265/HEVC, H.264, Baseline, Main, High
Bit rates: 500kbps - 30Mbps
Rate control: Variable, Constant

Audio Encoding

Encode Format: MPEG-4 AAC-LC in ADTS
64/96/128/192/256/320/384/512 kbps
Encode Sampling Freq: 32, 44.1, 48KHz

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 encoding

I/O

Video

HDMI v1.4a input
3G-SDI input
SMTPE-344-2 608/708 Closed Captions (HD/4K)

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 and Recording Capabilities

Streaming

RTMP/RTMPS x 3
RTSP
Unicast x 2 (RTP over UDP, Raw UDP)
Multicast (RTP over UDP, Raw UDP)
HLS (TS, fMP4)**
MPEG-DASH**
CMAF**
SRT
**Supports multiple simultaneous bit rates

Recording

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

Network and Control

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