

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; 480p60, 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