

# EZ Encoder - Technical Specifications

## Video Encoding

### Input Resolutions

<b>3840x2160</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</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
<b>540</b>	p*
<b>360</b>	p*
<b>270</b>	p*
<b>180</b>	p*

\*scaled resolutions, frame rate same as source

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

## Audio Encoding

### Encode Format

MPEG-4 AAC-LC in ADTS  
64/96/128/192/256/320/384/512 kbps  
Opus audio for WHIP/WebRTC

### Encode Sampling Freq

32, 44.1, 48KHz

## Network & Control

Web UI  
LiveEdge® Cloud Control - Fleet monitoring / individual management  
REST API integrates with third-party controllers  
Web browser Interface  
DHCP (Default) / Static IP Address  
Command and Control: HTTP  
XML Polling

## I/O

### Video

HDMI v1.4a input  
3G-SDI input  
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 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

RTMP, RTMPS  
RTSP  
Unicast (RTP over UDP, Raw UDP)  
Multicast (RTP over UDP, Raw UDP)  
HLS (TS, fMP4)\*\*, MPEG-DASH\*\*, CMAF\*\*  
SRT  
Zixi  
WHIP

### Recording

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

## General

Energy efficient ARM® processing  
Android OS



## About Videon

Videon, the leader in edge computing for video, makes live video processing and distribution faster and more efficient.