

# 265Coder™ 4-16ch SDI or HD-SDI/IP

Real time Linux® based multichannel SDI or HD-SDI H.265/HEVC real time audio and video encoder with 4 to 16 SDI or HD-SDI inputs and 4 to 16 IP outputs. Supports input and output resolutions up to 1080p at 60 fps. Streams to Ustream and Atlas™, Wowza®, and Adobe® Flash® Servers. Also supports H.264/AVC encoding.



## Features

- Inputs: Simultaneously captures up to 16 HD-SDI inputs
- Outputs: 16 simultaneous IP TS streams
- IP output protocols: RTSP, UDP, HTTP, HLS, FLV and ONVIF
- Outputs two RTMP streams per H.264 channel (main stream & 2nd Stream) to different media servers
- Output resolutions: 1920x1080, 1680x1056, 1280x720, 1024x576, 850x480, 720x576, 720x540, 720x480, 720x404, 704x576, 640x480, 640x360, 608x448, 544x480, 480x480, 480x384, 480x360, 480x320, 480x272, 480x270, 400x320, 400x224, 352x480, 352x228, 320x256, 320x240, 320x180, 240x180, 176x144
- Audio encoding: AAC, AAC+, AAC++, and MP3
- Adjustable output stream bit rate – 0.1 to 32 Mbps
- Can insert text and .BMP photos as stream logo for main stream & second stream
- Supports image quality settings: brightness, contrast, hue, saturation
- Remotely manageable
- Supports firmware upgrades
- Low power consumption – 90 watts
- Optional version available with 4 to 16 HDMI inputs

## Applications

- reEncoding content for Dormitories and Apartments
- Streaming video to CDNs and web sites like Ustream®, Akamai®, Octoshape™, Verizon®, etc.
- NVR (Net Video Recorder)
- University or corporate training webcasts
- Hotel or cruise ship TV systems
- Video Conferencing
- Digital Signage

## Overview

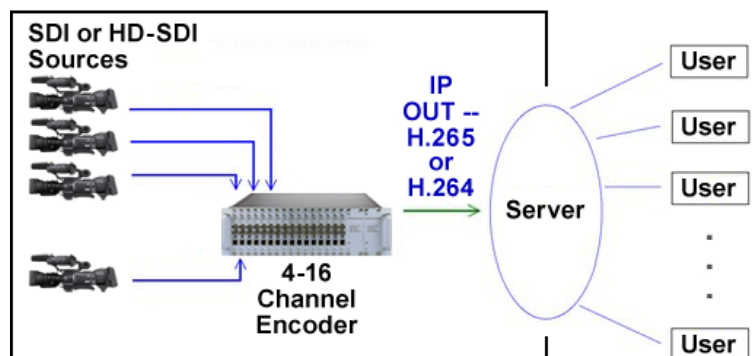
H.265 HEVC is the widely anticipated codec that is designed to replace H.264 as the mainstay of the video delivery industry. Just like H.264, it is being developed via international collaboration by major corporations, academia, and individuals. It is now in its final standardization phase and by all reports works well. Interoperability is no longer a concern.

DVEO's new H.265/HEVC audio & video encoder, the 265Coder 4-16ch SDI or HD-SDI/IP, is a cost effective 4 to 16 channel HD-SDI to IP Encoder. It encodes up to 16 simultaneous HD-SDI inputs, then streams up to 16 IP streams to CDNs and web sites like Ustream®, Akamai®, Octoshape™, Verizon®, etc. The system also supports H.264/AVC encoding.

IP protocols can be RTSP, UDP, HTTP, HLS, FLV Stream Protocols and/or ONVIF, plus RTMP for H.264 only.

The 265Coder 4-16ch SDI or HD-SDI/IP includes remotely manageable Windows® based software. Audio encoding is AAC, AAC+, AAC++, and MP3.

## Block Diagram



**DVEO**  
Digital Video ExtraOrdinaire™

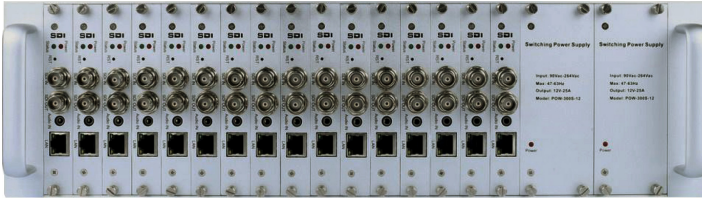
Computer Modules, Inc.  
11409 West Bernardo Court  
San Diego, CA 92127

Tel: 858-613-1818 Fax: 858-613-1815

[www.dveo.com](http://www.dveo.com)

# Inputs/Outputs

## SDI or HD-SDI to IP



4-16 SDI or HD-SDI Inputs, 4-16 IP Output Ports

## Optional HDMI to IP



4-16 HDMI Inputs, 4-16 IP Output Ports

# Specifications

### Video Encoding

Inputs:	16 simultaneous HD-SDI or SDI inputs Option: 16 HDMI inputs instead of HD-SDI
Encoding:	H.265/HEVC
Input Resolutions:	Most industry standard resolutions with maximum resolution 1920 x 1080p@60 Hz
Data Rate:	0.1 to 32 Mbps
Rate Control Modes:	CBR, VBR
GOP Structure:	IBBP
Advanced Pretreatment:	De-interlacing, Noise Reduction, Sharpening

### Audio Encoding

Encoding:	AAC, AAC+, AAC++, MP3
Sampling Rate:	44.1K /48K
Bit Rate:	12K ~ 320K
Sampling Precision:	24 bit

### IP Outputs

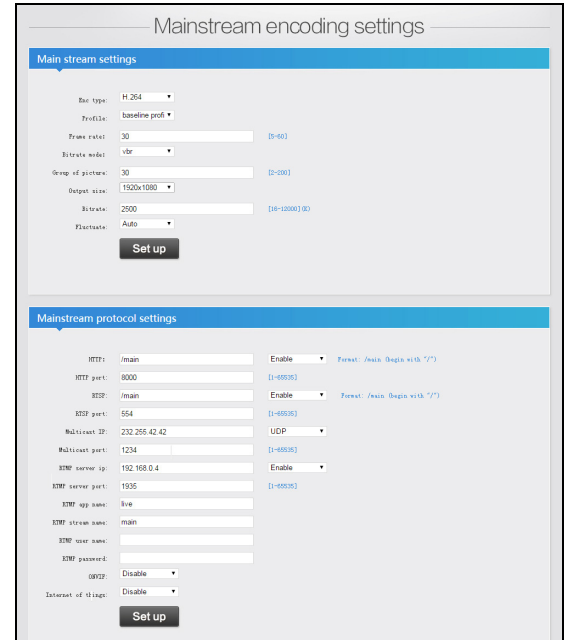
Outputs:	16 simultaneous IP streams
Interface:	1000 Base-T Ethernet
Resolution:	Maximum resolution 1920 x 1080p@60 Hz
Protocols:	RTSP, UDP, HTTP, HLS, FLV, ONVIF H.264 only: RTMP

### System

User Interface:	Web default IP – http://192.168.1.168/indexE.html
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### Physical and Power

Dimensions (W x D x H):	19 x 11.8 x 5.24 inches (483 x 300 x 133 mm)
Weight:	14.33 lbs (6.5 Kg)
Power Supply:	110-220V
Power Consumption:	90W
Conformities:	FCC, CE



Sample Configuration Screen

# Ordering Info

265Coder 4-16ch SDI or HD-SDI/IP  
HDMI option – 265Coder 4-16ch HDMI/IP

# Encoder Support

H.265, H.264