

# reCoder 8 HDMI/IP™

**Real Time Multichannel HDMI AVC/H.264 Audio and Video HD Live Encoder with Eight HDMI Inputs and Eight UDP or RTMP Outputs. Supports 720p at 50/60. Streams to Ustream and Atlas™, Wowza®, and Adobe® Flash® Servers. Perfect for Digital re-encoding.**



## Features

- Input: Simultaneously captures up to eight HDMI inputs
- Outputs: Eight simultaneous IP TS streams (RTMP or UDP)
- Encodes HDMI to a high-definition 720p H.264 stream
- HD format: 1280 x 720p @ 50/60 Hz
- Audio: HDMI embedded
- Windows®-based control and configuration application includes multi-viewer window to monitor streams
- Low power consumption – less than 70 watts
- Very cost effective encoder for digital turnaround where cost is important

## Applications

- reEncoding content for Dormitories and Apartments
- Streaming video to CDNs and web sites like Ustream®, Akamai®, Octoshape™, Verizon®, etc.

## Overview

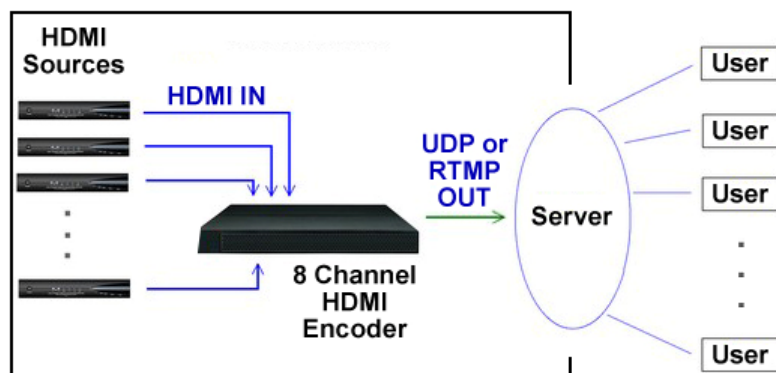
HDMI is the low cost connection for digital uncompressed video. Many video devices including cameras, DVD players, and video stream decoders output HD via HDMI to television sets.

H.264 has become the de facto standard for delivering video over IP.

DVEO's new H.264 HD audio & video encoder, the reCoder 8 HDMI/IP™, is a cost effective eight channel HDMI to IP Encoder. It encodes up to eight simultaneous HDMI inputs, then streams up to eight RTMP IP streams to CDNs and web sites like Ustream®, Akamai®, Octoshape™, Verizon®, etc.

The system includes Windows® based software with a multi-viewer window to monitor streams. Audio encoding is AAC.

## Block Diagram



**DVEO**  
Digital Video ExtraOrdinaire™

Computer Modules, Inc.

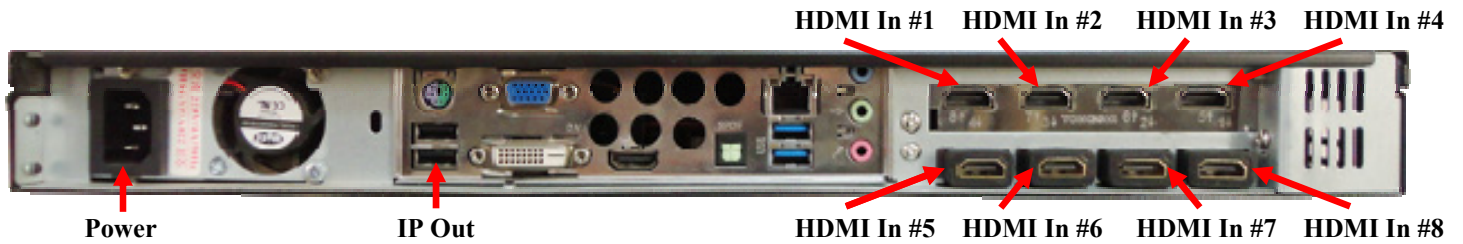
11409 West Bernardo Court

San Diego, CA 92127

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# Inputs/Outputs



## Specifications

### Video Encoding

Inputs:	8 simultaneous HDMI inputs
Encoding:	H.264/AVC High Profile Level 4.0
Input Resolutions:	720p@50/60 Hz
Rate Control Modes:	CBR, VBR
GOP Modes:	IBBP
Advanced Pretreatment:	De-interlacing, Noise Reduction, Sharpening

### Audio Encoding

Encoding:	AAC
Sampling Rate:	Auto

### IP Outputs

Outputs:	8 simultaneous IP streams
Interface:	RJ-45, 100/1000 Base-T
Format:	Unicast/Multicast, RTMP, UDP

### Relationship between Encoding Quality & Average Output Stream

Excellent: Around 1.3 Mbps	Resolution: 1280 x 720p
Good: 1.0 Mbps	1120 x 630
Fair: 800 Kbps	960 x 540
Poor: 600 Kbps	800 x 468
Mobile: 350 Kbps	480 x 270

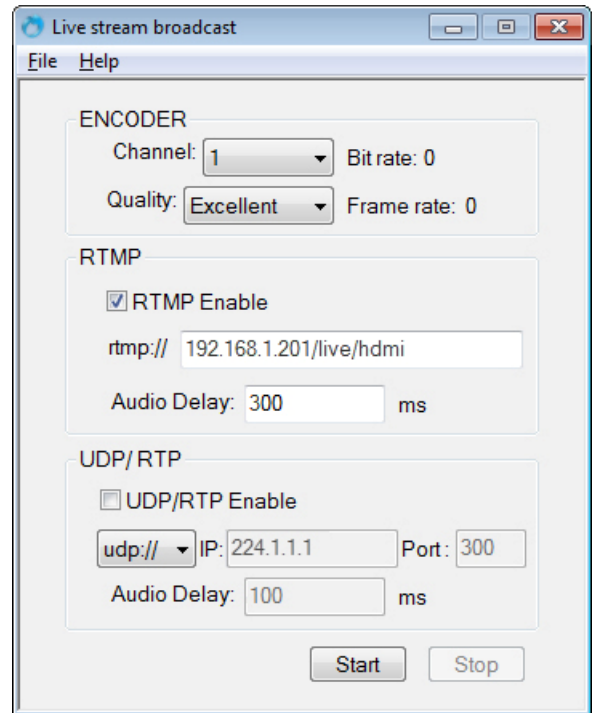
### System

Control Interface:	Windows® based software
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### Physical and Power

Dimensions:	19.69 x 11.8 x 2.36 inches (W x D x H) 500 x 300 x 6 mm (W x D x H)
Weight:	8.82 lbs (4 Kg)
Power Supply:	AC 110/220 50/60 Hz
Power Consumption:	Less than 70W
Operating Temperature:	10 to 85° C (14 to 176°F)
Conformities:	FCC, CE

## Sample GUI



Sample Configuration Screen

## Ordering Info

reCoder 8 HDMI/IP



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