

QUICK SEGMENTER: VOD FILES™

Faster than Real Time File Encoder. Re-encodes content folders to multiple packaged profiles and pushes them to CDNs or to any packaging server for ABR VOD (Adaptive Bit Rate Video on Demand) distribution. Upload Master or Mezzanine file -- watch folder looks for new files not already encoded and then encodes them automatically to several preconfigured bitrates and resolutions. Choose from standard quality to high quality video settings.



Features

- Designed to repackage or chunk files to HLS. This is called segmentation.
- Inputs: Files of any type via drag and drop
- Outputs: HLS
- Encodes files faster than real time – about one-fifth the playing time of the video file
- Encodes multiple profiles simultaneously
- Supports logo insertion, text overlay, and SCTE 35 compliant cue tone insertion ("ad markers") on outputs
- Able to upconvert incoming SD streams to HD, and scale down
- Tested with leading CDNs (Verizon® and Akamai®)
- Supports H.264 High Profile @ Level 4.0 (HP@L4)
- Supports 1080i, 1080p, 720p, 576i, 480i, 480p, CIF, QCIF, qHD, H.264up and many others, and custom resolutions
- x64 library based for highest quality
- Makes ingest, file format, conversion, and content production a hands-off process
- Output: AAC
- Tested to work with Atlas™ media servers
- Tested compatible with major brands of IP devices including Amino™, Roku®, Telergy, Android™, and Apple iPad® and iPhone®
- Remote GUI includes scheduling
- SNMP, REST, SOAP support for remote management and monitoring
- Qualys® certified to Level 2 for Critical Vulnerabilities like Open Ports, Tracking applications with COBIT, FISMA, HIPAA, NERC, PCI DSS, SANS, SCAP compliance
- Scalable from single servers to multiple servers

Overview

Inexpensive high volume hardware platforms combined with highly enhanced open source Linux® based software offer great value to all willing to embrace the future. Furthermore, Intel's architecture is now becoming highly capable of encoding and transcoding tasks. To create best of class solutions we wrote software to take advantage of Intel's quick sync libraries.

The QUICK SEGMENTER: VOD FILES is a highly affordable 14 core based file encoder that appropriately grooms content for streaming to iPads, iPhones, content delivery networks, and remote video devices.

We go straight from a master or mezzanine file to multiple encoded segment files for use by a variety of devices. The QUICK SEGMENTER: VOD FILES automatically pushes HLS playlists and segments to CDNs or any media server for VOD distribution via HLS Webdav or with File Transfer.

This unit is designed to be affordable, scalable, and extendable. Modifications to video formats and features are easily created. Remote management is via a web GUI and multi level security is newly built in.

Applications

- Prepare content for VOD (Video on Demand) on multiple devices
- Upload Movies and Clips securely with DVEO Faster File: Secure AFT+RIFT™



Computer Modules, Inc.

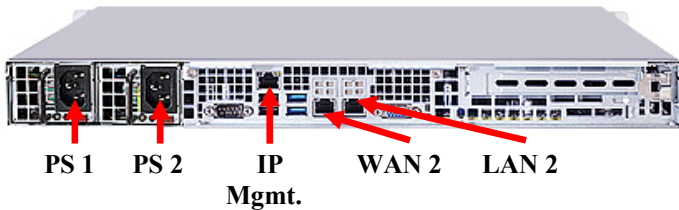
11409 West Bernardo Court

San Diego, CA 92127

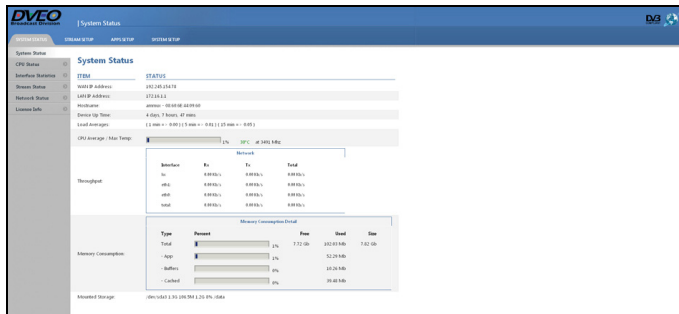
Tel: 858-613-1818 Fax: 858-613-1815

www.dveo.com

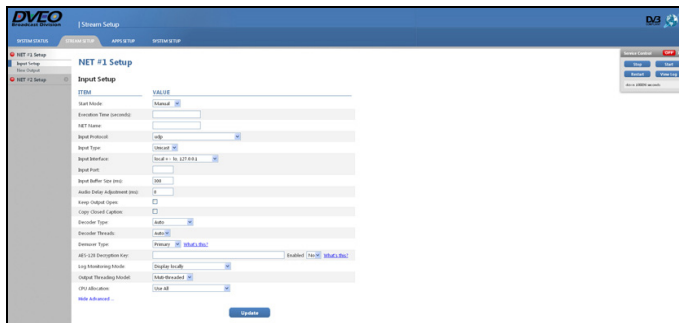
Inputs/Outputs



Sample of GUIs



Status Screen



IP Input Setup

Options

- Optional file encoding to H.265
- DVEO "EZ CARE" – Extended Warranty with Priority Tech Support

Ordering Information

QUICK SEGMENTER: VOD FILES
 Tech Support – One year support and updates, included
 Option 1: H.265 Transcoding
 Option 2: DVEO "EZ CARE"

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Specifications

Some Supported Resolutions – Input and Output

1920 x 1080	720 x 480	480 x 480	qHD
1280 x 720	704 x 480	480 x 320	H.264up
720 x 576	640 x 480	320 x 240	

Also supports any custom resolution not listed here, including computer formats like 1280 x 1024, etc. Note: Lower resolution results in higher transcodes.
 Supports PAL TO NTSC conversion but not NTSC to PAL. Supports closed captioning.
 H.265 output resolutions supported are 1080, 720, 576, 480.
 H.265 576/480 resolutions only have 4:3 aspect ratio.

Inputs

Inputs:	Files of any type via drag and drop
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Outputs

Outputs:	HLS manifest with HLS segments
Audio Output:	AAC
Output “wrapper”:	HTTP Live (HLS)
Bit Rates:	Multiple H.264 video streams at different bit rates (.1 to 15 mbps)
Quality:	8 bit encoding with 4:2:0 color sampling
Video:	H.264

Administration

Access:	Web interface, SSH (Secure command line interface)
SNMP:	Monitoring and alerts
Scheduling:	On, Off support for timeslots
Remote:	REST, SOAP

CPU and Operating System

CPU:	Single 14 Core Xeon®
OS:	DVEO embedded Linux® on SSD
Hard Drive:	.5 TB SSD Default

Physical & Power

Size (W x D x H):	17.2 x 19.85 x 17.2 x 1.7 inches (437 x 504 x 43 mm)
Power Supply:	400W (1+1) Redundant Super Compact Short-depth AC-DC Gold-level power supply with PMBus and I2C
Voltage:	100-240V, 4-2A, 60-50 Hz, 400 watts
Operating Temperature:	10° to 35° C (50° to 95°F)
Non-operating Temperature:	-40° to 70° C (-40° to 158° F)
Operating Humidity:	8% to 90% (non-condensing)
Non-operating Humidity:	5% to 95% (non-condensing)
Fans:	4 x 40 x 28 mm 4-pin PWM cooling fans
Weight:	18.6 lbs (8.5 kg)
Conformities:	UL, SP, CE, RoHS, UL, CSA, CE, RoHS

Security

Ports security scanned to MIL requirements prior to shipment
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Ad Insertion

SCTE Ad Marker insertion via RS232, USB, IP, Contact closures



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