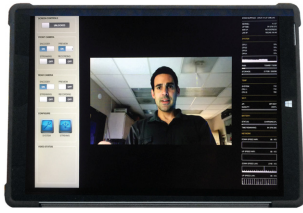




Mobile: 4K Decoder



Features

- Input: IP in via Wi-Fi, stored internal files via USB, or external files via USB
- Optional ASI input with DiviCatch™ via USB
- Features DOZER™ automated UDP Packet recovery protocol which also decrypts all traffic with AES 128
- Features DOZER RIFT (Reasoner for Intelligent File Transfer)
- Output: One decoded output up to 4K Ultra HD (2160p)
- Records and decodes at the same time
- Decoding bit rates: .1 to 40 Mbps
- IP Input protocols: HTTP Live (HLS), UDP, RTP, RTSP, HTTP, RTMP (pushed from Flash server)
- Color Space: 4:2:2 or 4:2:0
- Supports H.264 H.264/AVC or H.265/HEVC High Profile
- Supports MPEG-2 as well
- Audio Support: Dolby® Digital® AC-3, AAC, MPEG Audio, or Ogg Vorbis
- Touch GUI and Web-based GUI for network and streaming setup, manageable from anywhere – includes scheduling
- Customizable touch GUI for corporate needs and API's available
- Tested with leading CDNs (Verizon®, Akamai®, Tulix™, Ustream®, etc.)
- Supports Octoshape™, Akamai®, and Verizon® upLynk™ natively
- Decrypts all traffic with AES 128
- Security scanned for vulnerabilities
- SNMP, REST, SOAP support for customization, remote management, and monitoring

Surface™ Tablet platform based mobile 4K Ultra HD H.265, H.264, and MPEG-2 decoder designed for monitoring mobile 4K live streaming of events by journalists and other professionals who need an ultra-small field unit that is compatible with industry standard receivers. Connection is via WiFi to MiFi cellular gateways (through USB port).

The Mavio Mobile: 4K Decoder incorporates DVEO's unique DOZER™ ARQ (Automatic Repeat Request) UDP protocol extension to deliver decrypted packet loss free and jitter free video and audio over lossy cellular, satellite, or microwave based transports. Naturally the DOZER protocol can be turned off if you select to stream to Verizon® or Akamai® CDNs and you turn on upLynk™ or Infinite Uplink™.

This tiny unit allows anyone to monitor live or stored 4k content in remote locations at a reasonable cost, via a truly lightweight device. Decoder, cell modem, and battery all in one.

Overview

The Mavio Mobile: 4K Decoder is the newest addition to our product family of high quality, cost effective, and powerful decoders – designed for H.265, H.264, and MPEG-2 encoding and decoding for content gathering, monitoring, and distribution of broadcast quality video over IP networks.

This embedded Linux® based unit is designed to be affordable, scalable, and extendable. Modifications to video formats are easily created. Remote management and multi level security is built in.

Applications

- Monitoring 4K Event streaming
- Monitoring 4K news, satellite, and sports contribution
- Monitoring 4K UHD video sources for testing



Computer Modules, Inc.

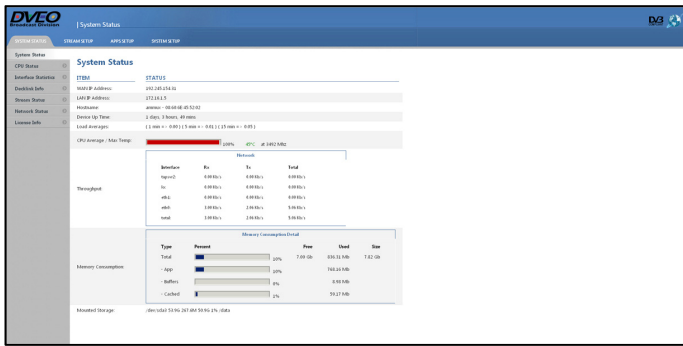
11409 West Bernardo Court

San Diego, CA 92127

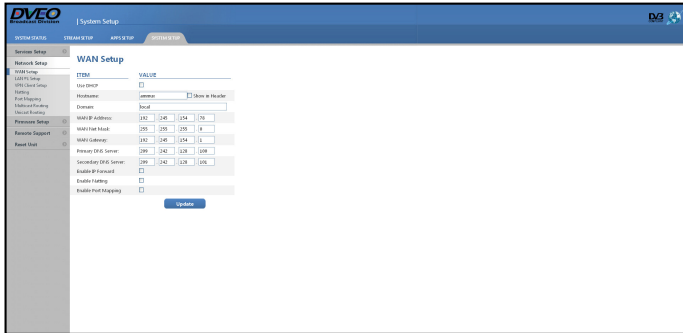
Tel: 858-613-1818 Fax: 858-613-1815

www.dveo.com

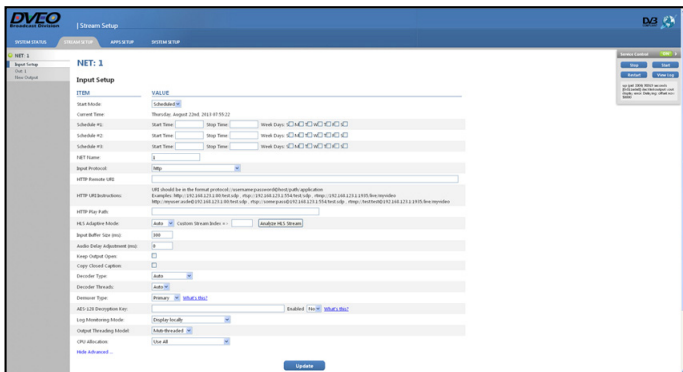
Sample of GUIs



System Status



Network Setup



Scheduled IP Input Setup

DOZER™ ARQ

The Mavio Mobile: 4K Decoder includes DOZER™ ARQ (Automatic Repeat Request) Automated UDP Packet Recovery protocol, enabling error-free real-time video delivery over IP networks including wireless and the Internet. DOZER ensures smooth MPEG-2, H.264, and H.265 delivery through DVEO patented algorithms for automated packet recovery and re-ordering of out-of-sequence packets.

Specifications

IP Input

IP Input via Wi-Fi or USB:	One H.265, H.264, or MPEG-2 transport stream up to 4K Ultra HD (2160p)
Audio:	Dolby® Digital® AC-3, AAC, MPEG Audio, or Ogg Vorbis
Bit rates:	.1 to 40 Mbps

Optional DVB-ASI Input

ASI input with DiviCatch™ via USB:	DVB-ASI
Audio:	MPEG-1 Layer II, AAC
Maximum Bit rate:	40 Mbps

Video Display

Screen Size:	12 inches
Screen Resolution:	2737 x 1824 pixels
Speakers:	Stereo speakers with Dolby® enhanced sound

Administration

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

CPU and Operating System

CPU:	Microsoft Surface Pro 3 Intel Core i7
OS:	DVEO embedded Linux® on SSD
Memory:	8 GB
Hard Drive:	128 GB standard, optional 256 GB SSD

Physical & Power

Wireless Type:	Wi-Fi (802.11ac/802.11 a/b/g/n) Bluetooth®4.0 Low Energy technology
Size:	7.93 x 11.5 x 0.36 inches (L x W x H) 201.3 x 292 x 9.2 mm (L x W x H)
Power Source:	AC & Battery
Battery Life:	3 hours of streaming
Voltage:	120 volts
USB 3.0 port	Includes USB 3.0 port for external add-ons
Weight:	1.75 lbs. (798 grams)
Conformities:	FCC, CE, RoHS

Security

Ports security scanned to MIL requirements prior to shipment
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Ordering Information

Mavio Mobile: 4K Decoder
 Optional single ASI input with DiviCatch™ via USB
 Optional 256 GB SSD

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