

eYe Grabber™ 8VSB

Small, Portable, USB Powered, Frequency Agile, VHF/UHF 8VSB Transport Stream Test Modulator for the Real Time Output of Live or Stored HD Streams Coming Via IP, ASI, or Local Hard Drive to Be Sent to Coax RF CCTV Systems. Includes Transport Stream Player with Scheduling. Inexpensive and Easy to Use Device for Use in Development Labs and for Technology Demonstration Purposes.



Features

- Supports captured file play, live from external source through ASI or IP input
- Input: IP, DVB-ASI, USB, or SMPTE 310M
- Output: 8VSB or DVB-ASI
- When ASI is input the TS can be any rate since it is upconverted and remuxed to ATSC rate
- When DVB is input the bit rate can be anything above 2 Mbps or below 19 Mbps
- Includes ASI port for simultaneous ASI and RF output if TS is pulled from hard drive
- Frequency agile
- On board Channel 2~69 selectable RF output up-converter
- Programmable RF output level (0.1 dB step)
- Can superposition white noise over modulated signal and control the output C/N ratio
- Feeds either an antenna or coax cable
- Field upgradeable – can be reprogrammed to add other profiles
- Playout Scheduler – schedule tasks (5 maximum) to run daily, weekly or monthly at a certain time
- Ships with Windows® 7, XP based GUI
- Linux® and Windows® SDK's available for customization
- Customer oriented API is also available
- Sample transport streams available
- 0dBm amplifier included with 0.1 dB attenuation
- Option for Multi Function product that accepts other modulations including QAM, ATSC M/H, DVB-S/S2, DVB-T, DVB-T2, DVB-C2, DVB-H, CMMB, ISDB-T, ISDB-S, etc.
- Special Bundle Prices for multiple modulations

Applications

- Digital signage
- In Store Demo of plasma televisions
- Sending HD video to multiple monitors in sports arenas and stadiums
- Set-top box testing
- Test Equipment for RF demodulators
- Laboratory applications

Overview

RF modulators convert video to RF (radio frequency) so the video can be transmitted to a television via its RF input. 8VSB is the modulation standard for American over the air broadcast. It is the RF modulation format used to deliver MPEG-2 encoded content to television sets in North America.

The eYe Grabber™ 8VSB is a software definable modulator with a frequency agile modulator that sends live or recorded video streams to multiple HD monitors via inexpensive RF over coaxial cable. With its included software, one can create a powerful signage server.

The eYe Grabber 8VSB is ideal for closed circuit video systems. For example, a company exhibiting at a trade show can pull video from a computer hard drive, connect the eYe Grabber 8VSB to the computer via the USB port, and transmit video simultaneously to lots of HD monitors within the exhibit via RF cabling. Or, retailers can install one unit each at each store, send regularly updated video from a satellite feed or over IP, and have it play out on multiple HD monitors at each location. It's also ideal for generating RF signals for field testing and laboratory applications.

The input can be IP, USB, or DVB-ASI, single or multi program transport streams.

Customers can purchase licenses for additional profiles and upgrade the unit immediately. The compact eYe Grabber 8VSB can interface via an antenna or coaxial cable.



Computer Modules, Inc.

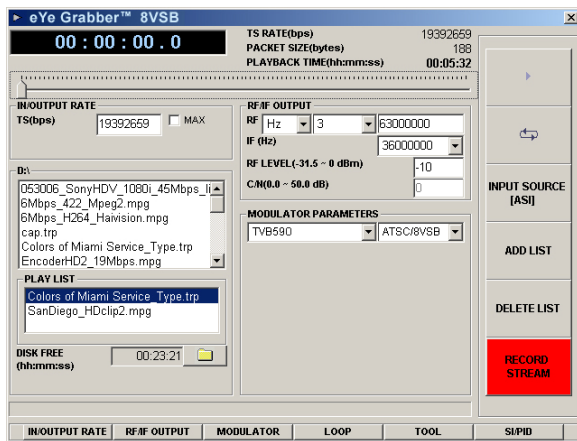
**11409 West Bernardo Court
San Diego, CA 92127**

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

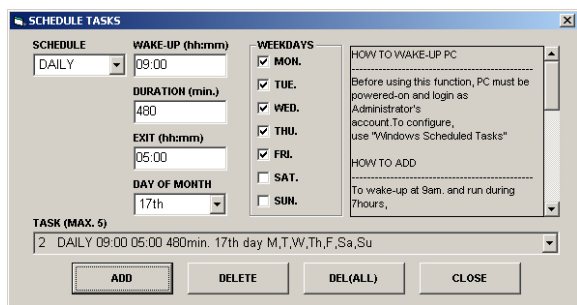
www.dveo.com

eYe Grabber™ 8VSB

GUIs



Main GUI



Playout Scheduler GUI

Product Views



Front



Back

↑
**USB
Input/Output**

↑ ↑
**Power On/Off
Switch**

Ordering Information

eYe Grabber 8VSB

Note: Software ships with eYe Grabber at no cost.

Note: This unit is upgradeable with all other modulations, like QAM, ATSC M/H, DVB-C2, DVB-H, DVB-S/S2, DVB-T, DVB-T2, CMMB, ISDB-T, ISDB-S, etc.

© 2012 Computer Modules, Inc. DVEO and eYe Grabber are trademarks of Computer Modules, Inc. All other trademarks and registered trademarks are the properties of their respective owners. All rights reserved. Specifications are subject to change without notice.

Specifications

Inputs/Outputs

Input	IP, USB, DVB-ASI, SMPTE 310M, or stored transport stream
Output	8VSB or DVB-ASI
RF Output	Freq: VHF/UHF 55~867 MHz L-BAND 956~2036 MHz Level: VHF/UHF -31.5 to 0 dBm L-BAND -31.5 to -20 dBm Freq accuracy: +/-5 KHz max Attenuation step: 0.1 dB Phase noise <-90dBc/Hz @ 10 KHz RF step size: 50 KHz step
Bit Rate	Up to 90 Mbps
Drivers	32 and 64 bit Windows® 7, XP, 2000, 32 and 64 bit Vista, WDM, and Linux®
Connectors	75 Ohm BNC

8VSB Specifications

Standard	2/3 Rate Trellis Coding conforming to ATSC A.53 specs.
Symbol Rate	Fixed at 10.7622 Symbol/Sec
EIA	Supports EIA 50-860 MHz Band
ECC	Reed Solomon (204, 188, T=8) encoding

Physical & Power

Dimensions	Width: 5.83 inches (148 mm) Length: 9.33 inches (237 mm) Height: 1.3 inches (33 mm)
Weight	1.2 lbs. (544 grams)
Power	External 19V DC power supply
Operating Temp.	32° to 113° F (0°C to 45°C)
Humidity	To 85% Non-condensing relative humidity
Conformities	FCC, UL, RoHS, CE Mark



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

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

www.dveo.com