**eYe Grabber™ T-DMB**

Small, portable, wall powered, frequency agile (36-2150 MHz), T-DMB (Korea) modulator for the real time output of stored HD streams coming via USB from local hard drive, to be sent to coax RF CCTV systems. Inexpensive and easy to use device for use in commercial establishments where a video based message is available from a satellite feed or from the local hard drive. Includes comprehensive transport stream playout application with scheduling.

### Features
- Input: ETI files via USB from hard drive
- Output: T-DMB (DAB)
- Frequency agile
- RF Output Frequency: 36-2150 MHz
- Payload = Up to 2.43 Mbps
- Compatible with ETSI 300401 and ETSI 300799
- 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 or new firmware
- Playout Scheduler – schedule tasks (5 maximum) to run daily, weekly or monthly at a certain time
- Ships with Java®-based application GUI
- Linux® and Windows® SDK’s available for customization
- Customer oriented API is also available
- Sample transport streams available
- 0dBm amplifier included
- Option for Multi Function product that accepts other modulations including QAM, DVB-C2, 8VSB, ATSC 3.0, DVB-S/S2, DVB-T, DVB-T2, CMMB, ISDB-T, ISDB-S, etc.
- Special Bundle Prices for multiple modulations

### Applications
- Validating T-DMB reception
- Digital signage
- Sending HD video to multiple monitors in sports arenas and stadiums
- Trade shows
- 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. T-DMB (Terrestrial Digital Multimedia Broadcasting) is the digital broadcasting standard used in South Korea for regular terrestrial digital TV and mobile TV.

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

The eYe Grabber T-DMB 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 T-DMB to the computer via the USB port, and transmit video simultaneously to lots of HD monitors within the exhibit via RF cabling. It’s also ideal for generating RF signals for field testing and laboratory applications.

The input is ETI files via USB, single or multi program transport streams.

Customers can purchase licenses for additional modulation profiles and upgrade the unit immediately. The eYe Grabber T-DMB accepts and plays out MPEG-2 or H.264 streams (SPTS or MPTS) from a local flash-based USB “stick”.

---

**Computer Modules, Inc.**

11409 West Bernardo Court
San Diego, CA 92127
Tel: 858-613-1818  Fax: 858-613-1815
www.dveo.com
**Guards**

*Main GUI*

*Playout Scheduler*

*Rear Connectors*

**Ordering Information**

**eYe Grabber T-DMB**

Note: Software ships with eYe Grabber T-DMB at no additional cost. 
Note: The eYe Grabber is upgradeable with all other modulations, like QAM, 8VSB, ATSC 3.0, DVB-C2, DVB-S/S2, DVB-T, DVB-T2, CMMB, DTMB, ISDB-Tb, ISDB-S, etc.

---

**Specifications**

**Inputs/Outputs**

<table>
<thead>
<tr>
<th>Input</th>
<th>ETI files via USB from hard drive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>T-DMB</td>
</tr>
<tr>
<td>RF output Freq</td>
<td>VHF/UHF 36~2150 MHz</td>
</tr>
<tr>
<td></td>
<td>Level: VHF/UHF -31.5 to 0 dBm</td>
</tr>
<tr>
<td></td>
<td>Freq accuracy: Within 3ppm accuracy</td>
</tr>
<tr>
<td></td>
<td>Attenuation step: 0.1 dB</td>
</tr>
<tr>
<td></td>
<td>Phase noise &lt;-90dBc/Hz @ 10 KHz</td>
</tr>
</tbody>
</table>

**Connectors** 75 Ohm BNC

**Bit Rates** Up to 2.43 Mbps

**USB** USB 3.0 high speed compliant

**T-DMB Specifications**

<table>
<thead>
<tr>
<th>Standards</th>
<th>Compliant with ETS 300401 and ETS 300799</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission Modes</td>
<td>DAB transmission modes I, II, III, IV</td>
</tr>
<tr>
<td></td>
<td>Transmission Mode automatically selected from the ETI stream</td>
</tr>
<tr>
<td></td>
<td>Supports ETI (NI, G.703), ETI (NA, G.704) 5592 and ETI (NA, G.704) 5376 file formats</td>
</tr>
<tr>
<td>Modulation</td>
<td>*T-DMB modulation from TS input is not supported</td>
</tr>
</tbody>
</table>

**Drivers & Software**

<table>
<thead>
<tr>
<th>Software</th>
<th>Java®-based application GUI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drivers</td>
<td>Windows® 7/8/10 32 bit/64 bit, 2000, XP (32/64 bit), Vista (32/64 bit), 7 (32/64 bit), WDM, Linux® 32 bit/64 bit</td>
</tr>
</tbody>
</table>

**Physical & Power**

<table>
<thead>
<tr>
<th>Dimensions (length x width x height)</th>
<th>9.25 x 2.76 x 6.7 inches (235 x 70 x 170 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>3.2 lbs. (1.45 kg)</td>
</tr>
<tr>
<td>Power</td>
<td>External 14-20V DC power supply</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32° to 95° F (0°C to 35°C)</td>
</tr>
<tr>
<td>Humidity</td>
<td>10% ~ 90%, Non-condensing</td>
</tr>
<tr>
<td>Conformities</td>
<td>FCC, RoHS, CE Mark</td>
</tr>
</tbody>
</table>