The T-DMB Analyzer is the professional stream analyzer allows not only the analysis of file input but also the analysis of real-time RF input. T-DMB Analyzer is fully focused on T-DMB standard. It is the best solution for designing, manufacturing, verifying and operating T-DMB equipment.

**Overview**

T-DMB Signal Generator

- OFDM Modulator & Up-converter
  - RF : Band II, III & L-Band
  - Mod I,II,III and IV

**T-DMB Receiver**

**Ensemble Multiplexer**

- DMB A/V Contents : H.264, BSAC, AAC+, AAC++
- Musicam Audio Contents

**Data Encoder**

- Data Contents : DLS, SLS, BWS, TPEG, EWS

**T-DMB Test System**
Features

- RF Tuning: Band III, L-Band and sub-channel selection
- DAB Ensemble information
  - DAB mode
  - Protection level
  - Program type
  - Service Information
  - Error Rate (BER)
- Real time recording ETI frame
- Real time recording sub channels
- FIC information recording

S/W Player

- Musicam Audio Decoding
- A/V (H.264, BSAC/AAC+)
- BWS, SlideShow, DLS

Analysis

- ETI Header & Frame Analysis
- FIC in-depth analysis
- Ensemble structure analysis
- FIC (FIB & FIG) analysis
- Sub channel Structure analysis
- Support DLS, SLS, BWS, TPEG and EWS
- Support BIFS
- PAD Analysis
- MOT Analysis
- MSC Data Group Analysis
- TDC Analysis
- MPEG2 – TS PAT, PMT, PCR Monitoring
- MPEG4 H.264 OCR, CTS Monitoring
- BSAC/AAC+ Audio Analysis
- Video and Audio Error Rate
- TS Structure Analysis PIDs, PSI, TS Hex data display
- MPEG2-TS analysis PAT, PMT, Descriptors
- MPEG4 IOD, OD, BIFS, SL_configDescriptor, Scene graph
- Support Musicam Audio Codec
- H.264 Video with BSAC & AAC+ Audio Codec

Graphical User Interface
## Demodulator

### T-DMB

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Receiving Frequency</td>
<td>Band III &amp; L Band</td>
</tr>
<tr>
<td>Input Impedance</td>
<td>Typical 50 Ohm</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>-101 dBm (BER = 1 x 10^-4)</td>
</tr>
<tr>
<td>Spurious Radiation</td>
<td>-47 dBm</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>25 dB</td>
</tr>
</tbody>
</table>

## Specification

### Hardware Specification

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Pentium4 3.4 GHz</td>
</tr>
<tr>
<td>RAM</td>
<td>1024 MB or higher</td>
</tr>
<tr>
<td>LCD</td>
<td>14” TFT, XGA</td>
</tr>
<tr>
<td>Keyboard</td>
<td>108 keys, touchpad</td>
</tr>
<tr>
<td>Weight</td>
<td>8.8 kg</td>
</tr>
<tr>
<td>Dimension</td>
<td>400(W) X 291(H) X 223(D)</td>
</tr>
<tr>
<td>Disk Space</td>
<td>200 GB</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows XP</td>
</tr>
</tbody>
</table>