THE DIVIDUAL T2MI IS A POCKET ANALYZER PROVIDING DVB T2-MI AND MPEG-2 TS REAL-TIME ANALYSIS, RECORDING AND STREAM PLAYING.

The DiviDual T2MI provides real-time analysis at different levels:

- **T2-MI**: complete multi-PLP analysis: T2 L1 pre/post signaling, PLP allocation (BB frame, TS, padding/overflow), T2 timestamp, BB frame, ISSY field, PLP extraction.
- **MPEG-2 TS**: the 3 priority levels of ETSI TR 101 290 are implemented. Bitrate can be analyzed globally, by service, by PID. Alarm thresholds are customizable. Baseband streams can be captured using the ASI input or the PC’s IP input. File-based offline analysis is also available.

The player functionality allows to have an ASI output on the same device, which represents a real added value.

ENENSYS TESTSYSTEMS has implemented a new and very intuitive GUI, DiviSuite, which provides customizable monitoring screens. The application integrates a video decoder enabling real-time decoding of all unencrypted services (H.264/MPEG-4 AVC, MPEG-1/2, AAC, MP3…). It also features live stream capture capabilities for baseband multiplex recording into a TS file.

The DiviDual T2MI, a 3-in-1 product featuring baseband analysis, recording and player capabilities, offers a cost-effective test and stream player solution for lab or head-end applications.

**APPLICATIONS**

- R&D Streams Analysis and Generation
- DVB-T2 gateway output validation
- Installation & Maintenance Test Tool
- Portable Demonstration Setup

**CHARACTERISTICS**

- 1x ASI input and 1x ASI output
- IP source analysis (from PC)
- T2-MI analysis: L1 pre & post signaling, T2 frame statistics, BB frame header, ISSY field, T2 timestamp
- PIDs and PSI/SI parsing, PCR graphs
- ETSI TR 101 290 validation (Priority 1, 2, 3)
- Audio/Video player (H.264/MPEG-4 AVC, MPEG-1/2, AAC, MP3…)
- MPEG-2 TS record and playback
- MPEG-2 TS over IP forward (PC’s Ethernet interface selection)
- Compatible MS Windows XP/Vista/7/8

**BENEFITS**

- 3-in-1 product: Baseband Analyzer + Recorder + Player
- Compact (115 x 62 x 27 mm, 140 g) and USB self-powered device
- Parse all T2 parameters (L1 signaling, BB frame, ISSY field, T2 frame)
- PLP filter and MPEG-2 TS extraction by PLP
- Single & Multi PLP
- Analyze and validate DVB T2-MI and MPEG-2 TS Layer in real-time
- A must-have Lab tool
DIVIDUAL T2MI™

TECHNICAL CHARACTERISTICS

DVB-ASI
Connector In 1x BNC female - 75 Ω
Connector Out 1x BNC female - 75 Ω
Max bitrate 140 Mbps
USB Data connector 1x USB 2 B-Type
Power supply USB self-powered
Environment
Operating temperature -20 to +55 °C / -4 to 131 °F
Physical
Dimensions 115 x 62 x 27 mm / 4.5 x 2.4 x 1 in
Weight 140 g

BASEBAND TRANSPORT MONITORING

T2-MI/ MPEG-2 TS features analyzed in real-time from either source:
- ASI through USB from the DiviCatch
- IP from the PC’s Ethernet interface
Or analyzed off-line from source:
- TS file
ETSI TR 101 290
- Priorities 1, 2 and 3
T2-MI
- Single & Multi-PLP (PLP user selection)
- T2 L1 pre/post signaling: frame, cells, OFDM symbols, # FEC, interleaving, TI block size
- PLP allocation: BB frame padding, TS padding, TS overflow
- BB frame, ISSY field, T2 timestamp, PLP extraction
Service information
- PSI/SI table display for DVB services
- PSIP table display for ATSC services
- PID Summary
Bitrate monitoring
- Overall, by Service (Program), by PID
PCR
- PCR Accuracy graphs

SERVICES PROCESSING

MPEG-4/AVC, MPEG-1/2 services decoding (unencrypted programs):
- video stream display
Recording of the entire multiplex (T2-MI / MPTS / SPTS) into a TS file
Real-time forward of the entire multiplex to ASI or IP (unicast or multicast) over UDP streaming

STREAM PLAYING

Offline TS file stream analysis
Loop/segment play modes
Stream playlist handling
Bitrate auto detection with PCRs
Null Packet Removal

ORDERING CODE

DiviDual T2MI
T2-MI Analyzer, Recorder, Player
Shipped bundled with DiviSuite software for MS Windows XP/Vista/7/8