The DiviDual ASI+SPI provides real-time analysis at different levels:

- **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.
- **T2-MI**: complete multi-PLP analysis: T2 L1 pre/post signaling, PLP allocation, T2 timestamp, BB frame, ISSY field, PLP extraction. Baseband streams can be captured using the DVB-ASI or DVB-SPI inputs or the PC’s IP input. LVDS or TTL levels are supported by the DVB-SPI adapter. File-based offline analysis is also available.

The player functionality allows to have an DVB-ASI and DVB-SPI outputs 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 ASI+SPI (LVDS or TTL), 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.
TECHNICAL CHARACTERISTICS

DVB-ASI
Connector In  1 x BNC female - 75 Ω
Connector Out  1 x BNC female - 75 Ω
Max bitrate  140 Mbps

DVB-SPI
Connector In/Out  1x D-Sub 25 female (LVDS or TTL)
Max bitrate  108 Mbps

USB Data connector  1 x USB2 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

MPEG-2 TS/T2-MI features analyzed in real-time from either source:
- DVB-ASI or DVB-SPI through USB from the DiviDual
- IP from the PC’s Ethernet interface
Or analyzed off-line from source:
- TS file
ETSI TR 101 290
- Priorities 1, 2 and 3
Service information
- PSI/SI table display for DVB
- 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 (MPTS/SPTS) into a TS file
Real-time forward of the entire multiplex to DVB-ASI, DVB-SPI 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 CODES

DiviDual ASI+SPI  MPEG-2 TS over DVB-ASI and DVB-SPI (LVDS or TTL) Analyzer, Recorder, Player
Shipped bundled with DiviSuite software for MS Windows XP/Vista/7/8

Plugins

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