

DiviDual™

DTV/MPEG2-TS Stream Player / Analyzer / Recorder



- To test applications
- To validate both RF & Baseband
- To achieve cost-efficiency on broadcast network

Save your own world finest Analyzer

The DiviDual is a Pocket Analyzer with MPEG2 TS real-time analysis, recording and stream playing.

DiviDual is able to combine DiviPitch and DiviCatch functionalities in a compact and robust device.

For MPEG2-TS monitoring, the 3 priority levels of ETR290 are implemented, bitrate can be monitored globally and for each service, and customizable alarms are available.

In addition, DiviDual features live stream capture capabilities. The application also integrates a video decoder enabling real-time decoding of all unencrypted services.

It offers also the possibility to have an ASI output and a SPI output on the same device which represents a real added value.

Enensys has implemented a new software : DiviSeries All in One Software. It allows to check any Divis applications on a new and very intuitive GUI. Divicatch monitoring screens can be totally customized and loaded. User can also save file analysis (offline analysis available).

As DTTV and Mobile TV deployments keep multiplying worldwide, DiviDual offers a cost-effective test and stream player solution for lab or head-end applications.

Applications

- Broadcast Test & Monitoring
- Portable Demonstration Setup
- R&D Streams or Signal Analysis
- Troubleshoot assistant

Benefits

- All-in-one device: Capture, analysis and playing baseband signals
- Validate and analyze MPEG2 TS Layer in real-time
- Watch received programs
- A must-have Lab tool
- Compact and USB-self-powered device
- Add table and specifications Analysis (PSI/SI,PSIP,..)
- Write and Save your own scripts

Characteristics

- 1 DVB-ASI output
- 1 DVB-ASI input
- 1 DVB-SPI Input/Output (optional)
- TR 101 290 validation (aka ETR290)
- MIP validation
- PID summary, PSI/SI parsing
- Advanced MPEG2-TS recording
- MPEG2-TS over IP streaming
- IP source analysis
- IP Output (Ethernet interfaces selection)
- PCR graphs
- Compatible Windows Vista 32

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Input Interfaces

DVB-ASI Connectors	2x BNC (female) - 75 Ω 10 Kbps to 214 Mbps
DVB-SPI (LVDS or LVTTL) Connector	1x D-Sub 25 10 Kbps to 108 Mbps

Stream Playing

- Off-line stream analysis
- Loop/segment play modes
- Raw Data play mode
- Stream play-list handling
- Bit rate autodetection with PCRs
- Null Packet Removal

Baseband Transport Monitoring

MPEG2-TS features monitored in real-time from either source:

- ASI through USB from the DiviDual
- IP stream through Ethernet from the PC

TR 101 290

- Priorities 1, 2 and 3 implemented
- MIP Validation

Service information

- PSI/SI table display for DVB & DTMB services
- PSIP table display for ATSC services
- PID Summary

Bitrate monitoring

Overall, by program or PID by PID

PCR Jitter

PCR Jitter Accuracy graphs (real-time, history and density)

Services Processing

- MPEG2/MPEG4 services decoding (unencrypted programs)
- Recording of the entire multiplex to a TS file
- Real-time forward of the entire multiplex to an IP address (unicast or multicast) over UDP streaming

Environment

Operating temperature	0 to 55°C / 0 to 122 °F
Storage temperature	-20°C to 70°C / -4°F to 158°F
Humidity	0 to 95%, non condensing

Physical and Power

Length	115 mm / 4.5 in.
Height	62 mm / 2.4 in.
Width	27 mm / 1 in.
Weight	140g
Power supply	USB2.0 self-powered

Ordering codes

DVB-ASI Play and Capture Device DiviDual
Shipped with software (Windows 2000/XP)

Distributor Contact



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