Zanalyzer

Providing a family of transport stream analysis and monitoring tools, Zanalyzer is re-defining the industry. Zanalyzer provides a transport stream analyzer, decoder, recorder and stream manipulator for MPEG systems. DVB, ATSC and Digicipher® II extensions to the base MPEG specification are supported.

Zanalyzer provides terrestrial, satellite and cable broadcasters, video production houses and other transport stream users and producers tools to maintain regulatory compliance and keep efficiencies high.

The Zanalyzer product family provides flexible yet affordable, easy to use portability, providing for instant ROI and compliance monitoring.

- Local or remote diagnostics via RDP.
- Supports multiple stream inputs simultaneously
- Ability to record streams for future playback or audit.
- Instant ROI
- Available in 1, 2 or 3RU configurations depending on your needs.

Product Overview

ZX-500 DTSA

The ZX-500 DTSA is an affordable, remotely accessible transport stream analyzer that allows real time monitoring locally and via a network. The ZX-500 offers multiple user-selected inputs, simultaneously monitoring each and is available in a robust 1U, 2U or 3U rack mount form factor.

INTERFACE OPTIONS

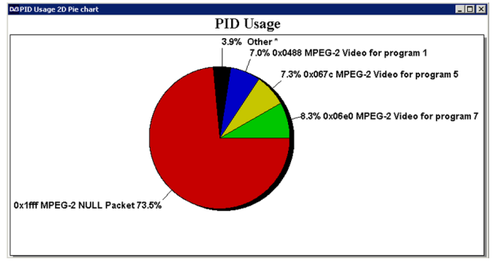
You can mix & match input/output interfaces when you order your Zanalyzer. The 1U supports 1 option, 2U supports 2 options and 3U supports 4 options.

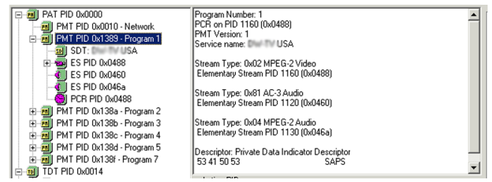
Supported Option Cards

All Zanalyzer models support SMPTE 310M (single in/thru), ASI (single in, single FD, Quad in), DVB-/S/S2/C/T L-Band Demod, ISDB-T Demod, 8VSB Demod, Annex B QAM and Ethernet. Dual VGA output for real-time video playback and audio output during playback options are also available.

Ensure compliance, save money and keep customers happy!

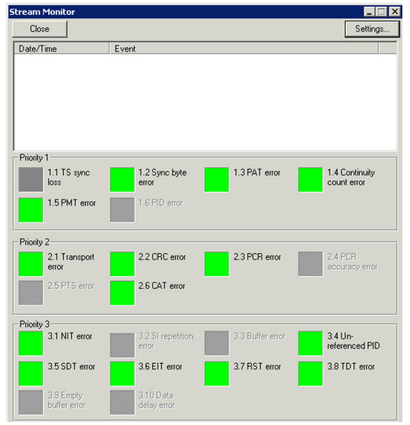
- **PSIP, Closed Caption & EPG Diagnostics**
  - EIA708, EIA608, TVCT, TVPG & EPG monitoring
  - Catch problems before someone else does!
- **Multiple inputs available simultaneously**
  - No need for multiple analyzers
  - Connect multiple displays***
- **Monitor bandwidth and service quality**
  - Keep your customers satisfied
  - Reduce bandwidth costs
- **Overall lower cost than comparable analyzers!**



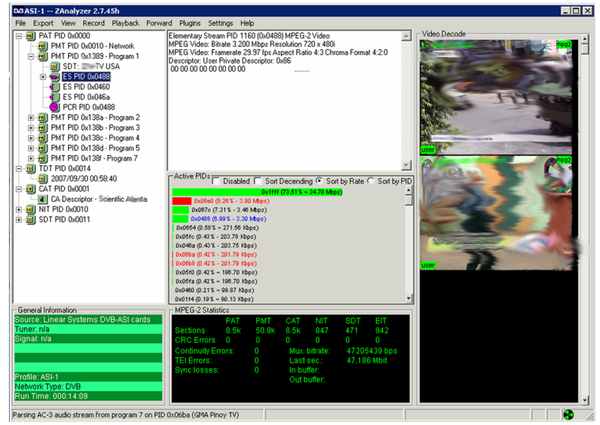


Easy to Use and Powerful User Interface Works With any PC

No, that's not a non sequitur! A user interface really can be both easy to use and powerful! Information is presented so that you can quickly see what you need to know. No clicking through menus or drilling through dialogs. It's all right where you need it. Our graphs give you all the details in a glance but show you the exact numbers for precision.



Get a high level view, or drill down into each individual PID with our easy to use interface.



Commanding Functionality for demanding users

Stream Analysis • Find PIDs in a mux quickly even if the MPEG tables aren't correct • Spot channels within muxes that occasionally switch from scrambled to FTA • Analyze new transmissions for all the pertinent technical information about the mux in just a few seconds	**Stream Monitoring** • Verify if an encoder is running correctly or how much bandwidth is being wasted on null packets • Displays JPEG thumbnails of unscrambled MPEG video to verify correct encoder operation • Automatically export DVB tables for real off-air stream verification • Monitor EPG and Closed Caption data for compliance
Stream Recording • Record unscrambled SD and HD programs directly to the hard drive • Record the entire mux and later using Zanalyzer as a demultiplexer extract an individual program as needed	**Stream Viewing** • Playback MPEG2/DVB or ATSC video in real-time • Forward programs over Ethernet as unicast or multicast • Playback of recorded streams via ASI** or Ethernet

Vast Feature Set

Feature	ZX-500
Decodes MPEG tables with DVB, ATSC and Digicipher® II extensions.	√
PSIP & EPG Monitoring.	√
Decodes unscrambled MPEG video in thumbnail format. All profiles/levels are supported. Supports MPEG2, MPEG4 H.264 and VC-1.	√
Parses MPEG, A/52 (AC3) and DTS audio streams to show bitrate/mode settings.	√
Indicates CC/DTVCC streams for ATSC streams and VBI/Teletext/Subtitle/WSS/VPS on DVB muxes.	√
Records the transport stream to a disk file.	√
Records an individual program to a disk file with PAT/PMT regeneration.	√
Decodes IP/DVB transmissions in MPEG format with decodes of the MAC and IP destination addresses.	√
Save the payload from TCP and UDP transmissions and act as a multicast UDP/IP/DVB router.	√
Realtime PID usage graph with percentage displays for each PID.	√
Actual bitrate on PIDs carrying PCR and estimated bitrates for non-PCR carrying PIDs.	√
PID graph is color coded to indicate unscrambled and scrambled PIDs.	√
Counts continuity errors on mux and PID-by-PID basis.	√
Real-time playback of a program stream inside a mux. (requires audio & dual video options)	√
Manually defined channels can be added to any multiplex.	√
Record any number of programs from a mux or the entire mux to disk.	√
Many hardware interfaces supported such as ASI, SMPTE 310M, Ethernet, SPI, QPSK, 8VSB, Annex B QAM, etc.	√
Serial receiver control for Motorola DSR-4800, Tandberg Alteia Plus/TT1260 and Newtec 2063 receivers.	√
RDP based remote access, so you can utilize Zanalyzer from anywhere in the world with an internet connection and a PC.	√
Graphing capability to show mux usage and video rate.	√
Supports analysis of multiple streams simultaneously.	√
Decodes, displays and logs closed caption data.	√
Decodes, displays and logs Electronic Program Guide (EPG) data.	√

Digicipher is a registered trademark of Motorola Broadband
Product specifications subject to change without notice *** Multiple displays require additional option card
*Requires customer supplied connection to the Internet ** ASI TX requires additional option card

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