ABC

4T2-Rack S2/ASI/IP are integrated DVB-S/S2 receiver systems with additional ASI and IP inputs.
The instruments are designed for local and remote control and suitable for 24/7 operation.

- Testing of all elements in the S/S2 broadcasting chain, including special application for DVB-T2 MI
- Monitoring of uplink or downlink facilities
- Spectrum occupancy

benefits

- Compact, reliable systems designed for 24/7 operation
- Simple evaluation of broadcasting equipment
- Hardware and software from one supplier
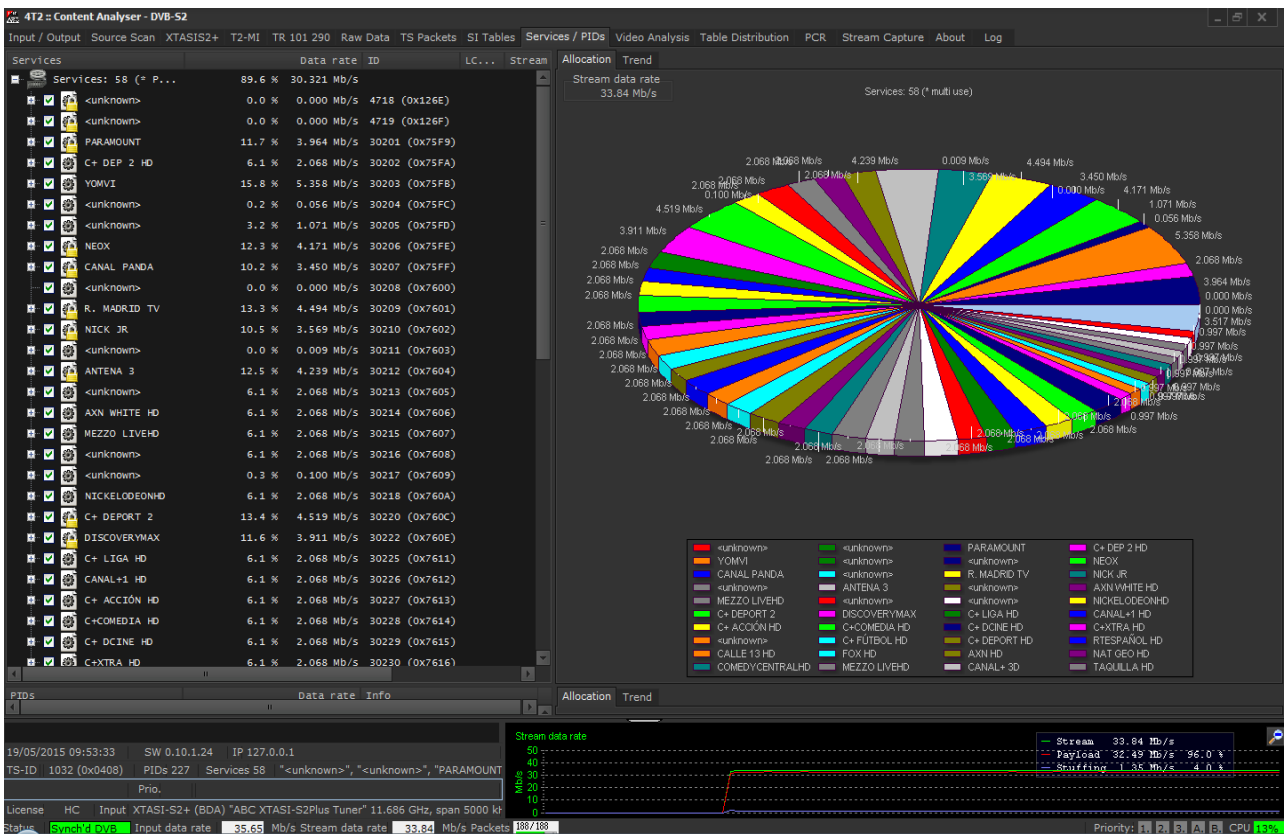
characteristics

- DVB-S/S2 receiver with Constellation-analysis, SNR, MER and bit error evaluation.
- QPSK, 8PSK, 16APSK, and 32APSK modulation
- CCM, ACM, VCM, Multi Input Stream, 16APSK, 32APSK, Generic Stream Mode
- Level accuracy 1.5 dB
- 19in, 1U rack-mount.
- Transport Stream analysis
- Picture decoding of all services, SD, HD, UHD
- Supporting 64bit Windows®

interfaces

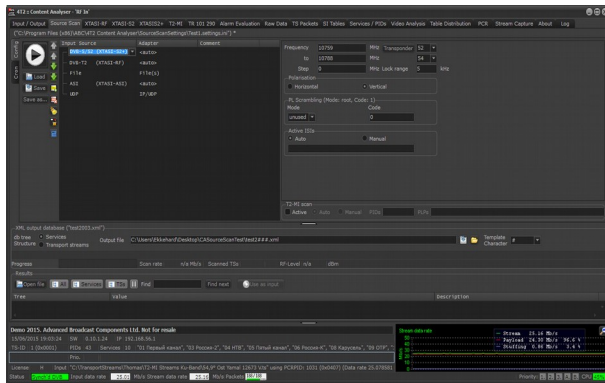|	
RF Connector DVB-S2	F (female) - 75 Ω
	950 MHz ÷ 2150 Mhz,
	-69..-23 dBm
DVB-ASI Connectors (EN50083-9)	BNC (female) - 75 Ω, 800mV up to 214 Mbps
TSoIP	RJ45 1Gb/s

environmental

Operating temperature	0 ÷ 40°C (32 ÷ 104°F)
Storage temperature	-20 ÷ 50°C (-4 ÷ 122°F)
Humidity	0 ÷ 85%, non condensing

Unique key features only found here:

SourceScan

TS-Packets

DVB-S/S2 measurements

4T2-Rack S2/ASI/IP input with 4T2 Content Analysis
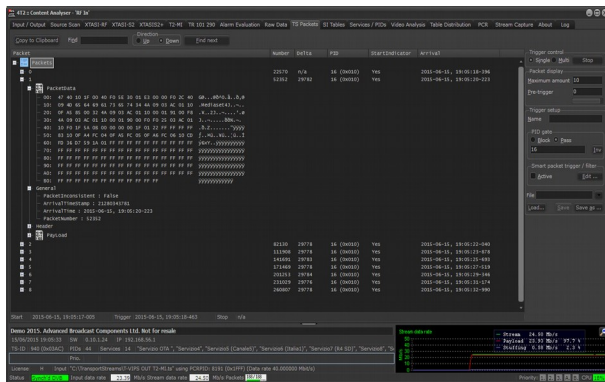
Comprehensive input source scanner

All input interfaces are scanned and the contents are stored into a machine readable database file.

This includes services, transport streams and physical parameters, such as level and bit-errors.

A CRON function is included to automate this process.

This is the ultimate tool for getting an overview of the transmission environment, be it on a single ASI node, or on scanning the entire frequency band for S2 transponders.
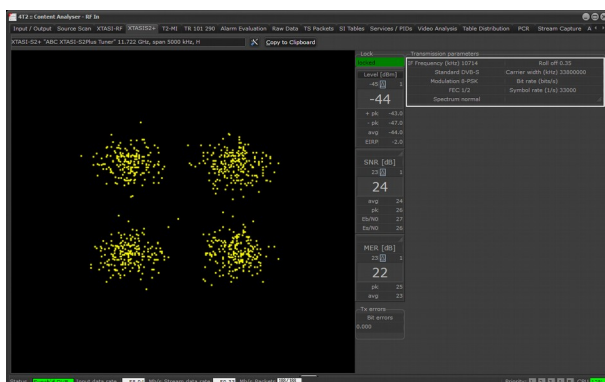
Sophisticated trigger function to uncover hidden errors in the transmission chain.

Regular expression editor and a set of pre-defined filter conditions allows the experienced operator to narrow problems down to the root cause.
This invaluable tool is best placed where time is cruical and events don't wait to be repeated.

Constellation, Level, MER. SNR and all signalling information can be found here on an easy to read display.

Full interactive transport stream analysis including full video display (MultiViewer optionally available) ensures proper operation of your valuable equipment.

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