

PSA-901 Stream analyzer



PSA-901, PSQ Transport stream analyzer, can be used to continuously monitor any DVB Transport Stream. The unit can be installed on the transmission chain to detect and locate errors in order to keep the quality of service as high as possible. It also periodically search and detect any transponder in the area.

The Web-based user interface allows the unit to be remotely controlled from any computer supporting a Web browser

Standard Features Include

- Integrated DVB-S2 receiver
- Supports DVB specifications
- Monitors MPEG-2 and MPEG-4 AVC streams
- Auto detect transponders periodically
- Modulation measurements for RF inputs
- Error detection
- Bit-rate alarms
- TS / Service / PID analysis
- PSI / SI (DVB) table analysis
- High bit-rate capacity (90 Mbps)

- User-friendly remote control from web browser
- Internal alarm / event logging
- Alarm signal
- TS cycling for QPSK allows one unit to monitor 10s of transponders
- ASI output offering an active loop-through output of the input signal source
- 10/100/1000 Mbps Ethernet TCP/IP interface

Specification

Input

Two DVB-S2 channels in QPSK / 8-PSK mode or one channel in 16-APSK / 32-APSK mode Two

Output

ASI output ports can be used for monitoring or as independent output

RF monitoring

Ability to scan for new transponders
Each channel provides reception status, RF level, demodulation status, modulation type, code rate, SNR, MER and error counts

QPSK/ Demodulator

Connector: F-type (female), 75ohm
Frequency range: 950 MHz to 2150 MHz
Symbol rates: 2 Mbaud to 30.5 Mbaud

Control

10/100/1000 BaseT Ethernet interface
Web management interface

TS Analysis

Shows all present PIDs
Monitoring of total and effective bit-rate
Detection of DVB ASI packet length

Service Analysis

Shows Service IDs, names and components (based on PSI/SI)
Dynamically updated graphical view of service bit-rates
Service oriented alarm reporting

PID Analysis

Dynamically updated graphical view of individual PID bit-rates including detection of min/max values
PCR jitter measurements, including real-time graphical view of PCR jitter distribution
Scrambling detection
Decodes PSI/SI tables (shows fully decoded table syntax and hex tables)

Configurable Alarm Relays

Remote Monitoring
Modulation measurements for RF inputs (QPSK and QAM)