

DVB-T/H Monitoring Silver



Audemat's DVB-T/H Monitoring Silver is an affordable solution for autonomous DVB-T/H monitoring at a transmitter site or in the coverage area.

Automatically checking its inputs (RF and/or ASI), the unit continuously ensures that your DVB-T/H network complies with your expectations.

A sequential mode allows monitoring of up to 20 channels with a single unit.

Thanks to its Ethernet interface, DVB-T/H Monitoring Silver can be controlled remotely using the user-friendly software or a SNMP-Based network management system such as Broadcast Manager

System Architecture

Placed at a transmitter site, the DVB-T/H Monitoring Silver can continuously monitor :

- An RF signal (coming from a monitoring output, a probe)
- An ASI transport stream (on the multiplexer output, after the transport link, at the output of the RF receiver)

Placed anywhere in the coverage area, the DVB-T Monitoring Silver can monitor sequentially:

- Up to 20 RF signals (coming from an antenna)
- The ASI transport streams demodulated from each RF signal.

Using TCP/IP links, all the units deployed to cover the network can interact with a central SNMP-based manager like Broadcast Manager.



Remote Access

The DVB-T/H Monitoring Silver is configured remotely using a user-friendly PC application over a TCP/IP network (Ethernet, PSTN, RTC, ADSL)

SFN Option

Several transmitters in SFN can be monitored thanks to the «SFN Option», available on RF and RF+MPEG versions. Peaks are automatically detected and monitored, based on user parameters.



APPLICATIONS

- Broadcasters, for automatic monitoring of their transmitters (enabling alarm centralization)
- Regulation bodies, to detect any change in the DVB-T/H networks and to ensure compliance with the rules
- TV channels or mobile operators, to automatically control their DVB-T/H channels in realtime.

KEY FEATURES

- RF Monitoring (RF level, C/N, MER, BER, PER...)
- MPEG Monitoring (TR 101 290, datarates, services structure, MIP tables)
- Event log
- Alarm sending (Email, SNMP, relays output)
- Sequential monitoring of up to 20 multiplexes
- TCP/IP Remote Facility Control (PC software, SNMP, HTTP)

Options:

- SFN monitoring (Channel Impulse Response monitoring)
- Remote control (digital inputs and relay outputs) delivered with ScriptEasy software
- Broadcast Manager (Web server software)

BENEFITS

- DVB-T compatible (2k/4k/8k FFT modes)
- 1U rack format
- 3 hardware versions for cost efficiency
- RF and ASI monitoring at the same time (on RF+MPEG version)
- Monitors up to 20 multiplexes with a single unit
- Channels impulse response monitoring (SFN option)
- Easy alarm threshold customization (delay, appearance and disappearance levels)
- Can be deployed in the coverage area or on the transmitter site
- TCP/IP for remote access and configuration (ADSL, PSTN)
- User friendly PC software

COMPARISON TABLE

version	RF	MPEG	RF+MPEG
Hardware			
RF receiver	Yes		Yes
ASI decoder		Yes	Yes
LEDs on front panel	5	5	5
Monitoring			
Basic RF module	Yes		Yes
Full MPEG module		Yes	Yes
SFN	Option		Option
I/O	Option	Option	Option

ALSO AVAILABLE

- Audemat GOLDENEAGLE DVB-T
- See Monitor catalog for more details

