

Elecard DTV Quality Analyzer

Digital signal quality analysis



Elecard DTV Quality Analyzer is a cost-effective and easy to use automated digital signal quality analysis solution, designed for broadcast network providers and operators to continuously monitor the incoming DTV signal for degradation and errors.

While building regional broadcast networks, providers often face the problem of low signal quality, when the signal either degrades or becomes completely lost due to many different reasons, thus causing the discontent of clients and, if repeated on a regular basis, may lead to considerable profit loss.

That is where Elecard DTV Quality Analyzer, a remotely controlled device compliant with ETSI TS 102 032 recommendation, comes into play. It can be set up in any location, no matter how distant it is from the master control center, as all the information on Digital TV signal as well as Transport Stream characteristics can be retrieved real-time via SNMP protocol.

Elecard DTV Quality Analyzer will help providers build a fully functional and comprehensive broadcast network with the real-time digital signal monitoring system, previously available on a very limited scale. It will significantly cut expenses on network services and make the broadcast company more reliable and trustworthy.

Features

- TS real-time analysis via RJ-45 interface or DVB-C/T/S tuners
- TS error detection according to three priority groups of ETSI TR 101 290 recommendation
- TS pass-through from DVB to IP interfaces
- TS receiving with bitrate up to 50 Mbit/s
- TS receiving with different size packets
- TS monitoring mode
- TS structure view mode
- Detecting actual bitrate of MPEG-2, MPEG-4.10
- Receiving, analyzing and saving SI/PSI tables of TS
- Detecting efficient bitrate of each multiplexed TS

Product highlights

- Interactive controlling of input signal quality
- Remote analyzer configuring for required channel, program, broadcast address
- Remote analyzer parameter control (error masking, monitoring modes)
- Ability to view list of programs inside TS
- Remote monitoring compliant with ETSI TS 102 032 recommendation
- Decoding and playback of TS

Specifications

Input interfaces	Ethernet RJ-45 (x2), Digital tuner (DVB-T/C/S)
Output interfaces Video Audio	Ethernet RJ-45 Composite (RCA), S-Video Stereo RCA, S/PDIF (Optical)
Other interfaces	12 V DC power jack Two USB ports on the front panel
Supported formats Streaming Video Audio	MPEG-2 TS MPEG-1, MPEG-2 HP@HL, MPEG-4.2 ASP, MPEG-4.10/H.264 MP@L3.0 MPEG-1 Layer I, II, MPEG-4 AAC
Network protocols	UDP (unicast/multicast), SNMP, RTMP
Resolution	Up to D1 (720x576 - PAL and 720x480 - NTSC)
Dimensions	238x145x35 mm
Power supply	220 V, 50 Hz, 2A