



# TV Stream Monitor – Remote, Dependable 24/7 Monitoring for your TSoIP Streams

## TV Stream Monitor - Kvarta

Kvarta is widely considered a reliable producer of radio and TV equipment. The TV Stream Monitor is specially built for securing dependable monitoring of TSoIP streams for broadcasters that want to provide their clients with quality service round the clock.

Kvarta's **TV Stream Monitor** is a powerful and professional yet affordable solution for standalone TSoIP monitoring at the transmitter site or within the coverage area. Through Ethernet ports (one 1Gbit stream port and one for management), the unit sequentially monitors a set list of streams and continuously ensures that your network meets both the legal requirements and your expectations.

With its Ethernet interface, the TV Stream Monitor can be controlled remotely using the user-friendly embedded web site or an SNMP-Based network management system. The TV Stream Monitor offers innovative functions such as multi-stream monitoring (up to 250 streams per receiver), automatic scanning and remote control.

Always get an e-mail/SNMP alarm upon disappearing of a carrier or bad signal at the headend of your station or at a remote point.

## Scanning the band

The TV Stream Monitor can scan your IP streams for about one or two minutes. Without any special software you just enter the IP of the device in your web browser and you can see all channels in your network.

## FEATURES

- Remote 24/7 monitoring for TSoIP
- MPEG Monitoring – SDT, NIT, PMT, TOT, TDT, CAT
- HLS Monitoring
- TR 101 290 – priority 1, 2, 3, standard alarms
- Monitors UDP/RTP (unicast/multicast) mpeg TS streams, in both SPTS and MPTS modes
- Monitors: Stream delay, RTP errors, CC errors and has Bitrate alarms
- Embedded web server for easy configuration and control
- E-mail notifications
- SNMP, Alarms and Log

## APPLICATIONS:

The TV Stream Monitor can be used:

- to monitor TSoIP headend for bad signal or carrier loss
- to monitor remote points of your TSoIP network
- by regulation authorities to monitor the broadcasted channels

## BENEFITS

- Easy to set up and configure. No software required. Just enter the web site of the device.
- E-mail alarms for timely support
- Logging alarm messages with accurate time
- SNMP configuration and control for large broadcast networks
- Future proof - firmware upgradable
- The best price on the market

## MPEG Monitoring

The TV Stream Monitor is able to decode and monitor the MPEG transport stream (PAT, PMT, NIT, SDT, CAT, TDT, and TOT). You can set alarms for missing audio/video streams. The device is set to monitor for Bitrate, Delay, CC errors and RTP errors at an exceptional Price/Quality ratio.

The TV Stream Monitor can be connected to SNMP server for automated remote configuration and monitoring of multiple devices.

Provided with a quick-start guide, the device is easy to install and has a user-friendly website.

The TV Stream Monitor is future proof as it supports remote firmware upgrades to add all the new functionality required.

	Alarm		Warning	
Min Bitrate	<input type="text" value="1000"/> Kbps	<input checked="" type="checkbox"/>	<input type="text" value="1100"/> Kbps	<input type="checkbox"/>
Max Delay	<input type="text" value="500"/> ms	<input checked="" type="checkbox"/>	<input type="text" value="10"/> ms	<input type="checkbox"/>
Max CC Errors	<input type="text" value="0"/> errors	<input checked="" type="checkbox"/>	<input type="text" value="20"/> errors	<input type="checkbox"/>
Max RTP Errors	<input type="text" value="0"/> errors	<input checked="" type="checkbox"/>	<input type="text" value="10"/> errors	<input type="checkbox"/>

TV Stream Monitor – Some of the available configurable alarms for TSoIP monitoring

## Monitoring features

- PID alarms for missing audio or video streams
- Configurable alarms for:
  - Min. Bitrate
  - Max. Delay
  - Max. CC errors
  - Max. RTP errors
  - Min. Audio Bitrate
  - Min. Video Bitrate
  - Min. Service Bitrate
  - TR 101 290 priority 1, 2, 3,
- E-mail alarm notifications
- SNMP traps for the alarms
- Log events with accurate local time

## Why monitor your TSoIP broadcast?

If you want to ensure best quality service for your clients and receive e-mails or SNMP notification upon any problem in your network, this is your solution.

Why wait for customers to complain?

Install one TV Stream Monitor and you will have an e-mail in your mailbox, before your clients have even spotted the missing channel.



## Reliability

The TV Stream Monitor unit is the most affordable and reliable device for monitoring many TSoIP streams at the same time. The device is produced to monitor signal parameters round the clock 24/7.

All of our devices have micro SD cards and retain their configuration in case of power outages. Every parameter is controlled through the embedded web site or the SNMP interface.