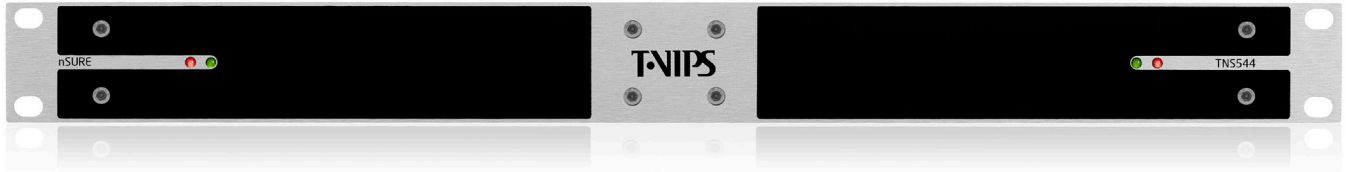


CP545 TS Monitor



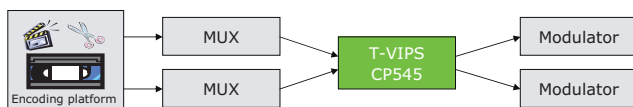
The CP545 provides efficient monitoring of up to 4 DVB ASI or SMPTE 310 streams.

CP545 is a powerful tool for continuous and simultaneous monitoring of transport streams, services, PIDs and PSI/SI/PSIP tables.

The CP545 is part of T-VIPS' nSure product line which is designed to ensure the delivery of high-quality video content. The nSure product line simplifies the monitoring, analysis and switching of transport streams and services throughout video broadcast networks.

As broadcast infrastructures become increasingly complex, the CP545 provides an ideal tool for continuous monitoring of MPEG-2 Transport Streams. CP545 performs error detection and fast diagnostics of an erroneous signal.

The CP545 provides remote supervision and monitoring of up to 4 transport streams. In addition, the product allows more in-depth analysis of signals.



CP545 may be part of the main signal chain. An internal directional coupler is used to tap the monitored ASI signal. A failure in CP545 will not interrupt the signal.

Applications

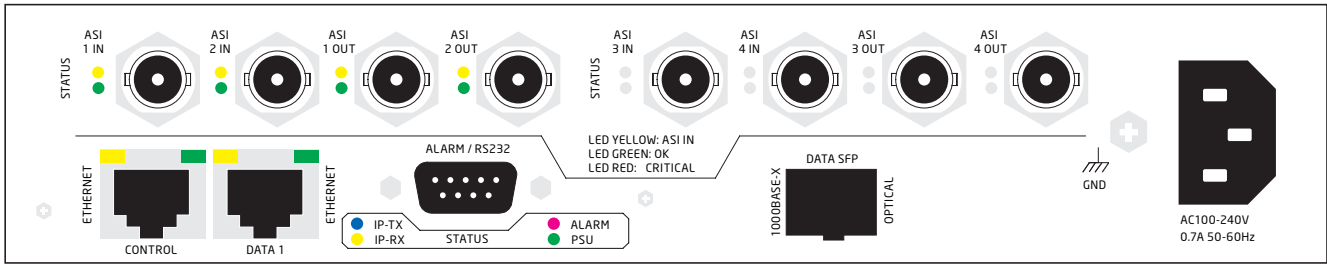
- Central head-end monitoring
- Remote monitoring of signals
- Monitoring of signals in transmission chain
- 24/7 continuous supervision of signals
- Stand-alone monitoring

Key Features

- **Transport Stream monitoring and error detection**
 - Error detection in accordance with TR 101 290 specification
 - Bit-rate alarms
- **Powerful analysis**
 - TS, Service and PID analysis
 - PSI/SI (DVB) and PSIP (ATSC) table analysis
 - PCR analysis
- **SLA monitoring**
 - Monitors service level agreement parameters
 - Continuous internal alarm log
- **Compact, cost-effective solutions**
 - Simultaneous, real-time monitoring of up to 8 streams using two units side by side in 1 RU
- **User-friendly configuration and control**
 - WEB/XML based remote control
 - SNMP agent for easy integration with NMS systems
 - Integrated with T-VIPS Connect
 - Integrated with Data Miner
- **Signal loop-through**
 - Output not interrupted during power breaks



CP545 TS Monitor


Transport Stream Interfaces

Inputs: Up to 4 DVB ASI or SMPTE 310

Outputs: Up to 4 passive loop-through of inputs

Connector: Female BNC

Total Bitrate: Max. 213Mbit/s

Features

 Error detection: Error detection based on TR 101 290.
Configurable threshold values.

 Transport Stream analysis: Effective and total bitrate
Overview of all Services and PIDs

Service analysis: Service Id, name and components

 PID analysis: Type, scrambling and dynamic bitrate
Graphical view of bitrate

 PCR analysis: Graphical histogram view
of jitter analysis

 Table analysis: Comprehensive PSI/SI/PSIP table
analysis with decoding of all standard
descriptors. Private sections decoding
possible using user defined syntax files.

SLA monitoring: Top level statistics of up time

PID rate alarms: Configurable min/max rate thresholds

Service rate alarms: Configurable min/max rate thresholds

 Configurable alarm levels: Alarm levels can be configured for all
alarms. PID-specific levels possible.

 Alarm log: Circular persistent log of up to
10 000 entries

Control and Management

Type: 10/100 Base-T Ethernet

 Features: Element control through HTTP/
WEB. XML Configuration import and
export via HTTP. SNMP traps for
integration with Network Management
System (NMS).

Protocol: HTTP, XML, SNMPv2c

Connector: RJ45

Alarm Relay: 9 pin D-SUB

Maintenance Port: RS232 9 pin D-SUB

Physical and Power

Input Voltage: 100-240V AC +/- 10%

Input Voltage Option: -48V DC

Dimensions: 1RU, 1/2-width 19"

(WxDxH) 210 x 300 x 44.5mm

Two units in 19" 1RU rack space

Installation: 19" rack mounting kit supplied

Environmental Conditions

Operating Temperature: 0°C - +50°C

Storage Temperature: -20°C - +70°C

Relative Humidity: 5% to 95%

(non condensing)

Compliance

CE: 73/23/EEC (Low voltage equipment)

 89/336/EEC (Electromagnetic
compatibility)

CSA: Designed for CSA approval

Safety: IEC60950 and EN60950