

7881TSM-IP

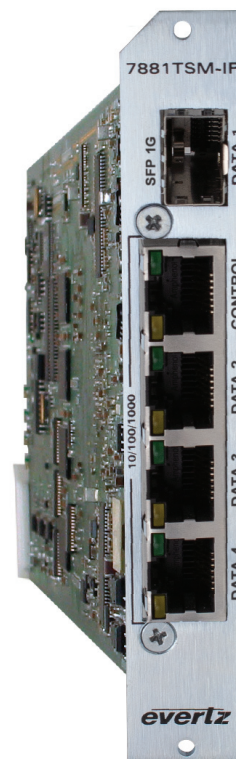
IP Transport Stream Monitor

The 7881TSM-IP remote probe is a complete solution for compressed network monitoring. By monitoring the MPEG Transport Stream at strategic points within the distribution network, and in conjunction with the industry-leading VistaLINK® PRO NMS (Network Management System), the 7881TSM-IP offers service providers the tools to continuously and effectively monitor their IP signals within any IPTV, satellite, terrestrial or cable network, ensuring reliable signal delivery.

The 7881TSM-IP can monitor up to 32x transport streams. It can monitor MPEG-2 or H.264 content and rapidly detect and separate encoder errors from network delivery errors, allowing the operator to act quickly and minimize downtime. Evertz' industry-leading VistaLINK® PRO NMS offers a new dimension to TS monitoring by enabling a graphical depiction of any measurement performed and a quick assessment of the different probe points in the system. The 7881TSM-IP probe system is an invaluable asset in any operational environment.

Features & Benefits

- 3x 1GbE inputs
- IGMP v1, v2, v3 subscription and IP layer monitoring including MDI
- Real-time T-STD buffer analysis
- Transport Stream analysis:
 - Presence, bit rate analysis, table rate analysis
 - TR101290 level 1, level 2*, and partial level 3
- Complete TS and PID bitrate measurement from 100kb/s to 200MB/s with configurable limits
- Display of Transport Stream tree (PID tree view)
- Program properties (name, program ID, etc.)
- Video/audio/data component properties (PID, type, codec, bit rate, resolution, sampling rate, etc.)
- Matching of PID assignment with pre-defined PID list and TSID verification
- Fully integrated with Evertz' industry-leading VistaLINK® PRO NMS
- SNMP-enabled (control and alarms for monitoring)
- Complete customization of status view and error report in VistaLINK® PRO
- Record TS based on configurable triggers



* Only PCR accuracy and PCR repetition rate supported at this time. No jitter measurement.

Specifications

Inputs & Outputs: <ul style="list-style-type: none"> • 3x RJ-45 10/100/1000GbE I/O for MPEG-2 TS over IP • 1x 1GbE SFP (optical or copper) • 1x RJ-45 for control 	Network Management: Control: SNMP	Power: 23W EMI/RFI: Complies with FCC Part 15 Class A EU EMC Directive
	Electrical: Voltage: +12V DC	Physical: Number of slots: 2

Transport Stream Analysis

TR101290 P1	TR101290 P2	TR101290 P3 (DVB)	TR101290 P4 (ATSC)
1.1 TS_sync_loss	2.1 Transport error	3.1 NIT_repetition	3.1 MGT_repetition
1.2 Sync_byte_error	2.2 CRC_error	3.2 NIT_error	3.2 TVCT_repetition
1.3 Pat_error	2.3 PCR_error	3.3 Unreferenced_PID	3.3 CVCT_repetition
1.4 Continuity_count_error	2.4 PCR_accuracy_error	3.4 SDT_repetition	3.4 EIT_repetition
1.5 PMT_error	2.5 PTS_error	3.5 SDT_error	3.5 RRT_repetition
	2.6 CAT_error	3.6 EIT_repetition	3.6 STT_repetition
		3.7 EIT_error	
		3.8 RST_repetition	
		3.9 RST_error	
		3.10 TDT_repetition	
		3.11 TDT_repetition	

Ordering Information

7881TSM-IP Modular IP Transport Stream Monitor	Enclosures: 350FR Portable multiframe, holds 7x single-slot modules 7800FR 3RU multiframe, holds 15x single-slot modules 7801FR 1RU multiframe, holds 4x single-slot modules
Rear Plate Suffix: +3RU 3RU rear plate for use with 350FR, 7700FR-C, 7800FR or 7801FR multiframes	SFP Interface Options: SFPTR-RJ45-SGM-AV SFP module for 10/100/1000 interface ports SFP1G-TR13 SFP optical transceiver, 1.25Gbps, 1310nm, SMF, 20km SFP1G-TR15S SFP optical transceiver, 1.25Gbps, 1550nm, SMF, 40km SFP1G-TR15H SFP optical transceiver, 1.25Gbps, 1550nm, SMF, 80km