

DVB-T/DVB-H MONITORING

SDVB 200 RANGE



Business Unit : **BROADCAST** | SATCOM | TELECOM SYSTEMS



Applications

- Terrestrial TV (DVB-T)
- Mobile TV (DVB-H)
- Broadcasting sites
- SFN networks
- Reception areas
- Multi-channel monitoring
- Head end

Benefits and key features

- In situ or remote monitoring
- Monitoring of several channels with one station
- Impulse response display
- High level input
- Base band monitoring



Front panel



Back panel



TO ENSURE QUALITY OF SERVICE 24/7

Since 10 years ACTIA SODIELEC has offered a high performance and affordable products range for monitoring of terrestrial Broadcast networks. The SDVB 200 range is the complete solution for DVB-T and DVB-H monitoring. With its different inputs, the products of SDVB 200 range ensure quality and service availability at different locations of the transport chains from head end to end user.

On transmission sites, keys RF analysis (MER, BER, Useful power level, ...), SFN drift measurements, provide reliable solutions. On reception areas, scanning and impulse response offer cost effective solutions. On critical or specific areas, the simultaneous analysis, the MPEG2-TS analysis and the program streaming provide in-depth controls.

The SDVB 200 products range offers a large choice of references to fit the user's needs depending its applications.

Compact and robust, the SDVB 200 products range are controlled in real-time from a computer interfaced to as IP network.

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ACTIA SODIELEC

DVB-T/DVB-H MONITORING

SDVB 200 RANGE



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TECHNICAL CHARACTERISTICS

Product Guide

Product	Base band monitoring	RF (High level)	RF (low level)	Simultaneous monitoring	RF Scanning	Impulse Response	SFN drift measure	Standard
SDVB 210	✓	✓	✓	✓			✓	DVB-T
SDVB 220	✓	✓	✓	✓	✓		✓	DVB-T
SDVB 240	✓	✓	✓	✓	✓	✓	✓	DVB-T
SDVB 250	✓	✓	✓	✓	✓	✓	✓	DVB-T DVB-H

Main features

Mechanical	19", rack 1U, 460 mm / < 10 Kg	
Power supply	90 to 264 VAC / 47 to 63 Hz / < 50 W	
Access		
	RF high level input	0 dBm to + 20 dBm / N femelle 50 Ω
	RF low level input	≤ - 20 dBm / BNC female 50 Ω / QEF (for 64 QAM 2/3 1/32) ≤ - 76 dBm
	ASI	BNC female 75 Ω 1 input and 2 outputs
	10 MHz	Sinus 0 dBm to + 15 dBm / BNC female 50 Ω
	1 PPS	TTL / BNC female 50 Ω
	Supervision	RJ45
	Alarms and remote controls	3 alarms & 1 Reset / SUBD 15pts HD
RF	VHF (174 MHz to 230 MHz) and UHD Bands (470 to 862 MHz) / Bandwidth : 7 and 8 MHz / Offset : 1/6 or 1/8 MHz	
Demodulation	Constellation : 64 QAM, 16 QAM and QPSK Code rate : 1/2 2/3 3/4 5/6 7/8 Guard interval : 1/4 1/8 1/16 1/32 FFT : 2K, 4K, 8K Interleaving : native or in depth	

Other features

Compatibilities	DVB-T and DVB-H
Temperatures	Garanteed: + 5°C to + 45°C / Fonctional : 0°C to + 50°C / Storage : - 20°C to + 55°C

Directives & Standards

EMC	EN 301 489-1
Low voltage	EN 60215
Standards	EN 50083-9, TR 101290, EN 300 744, ETSI 302 304

OPTIONS

Video board	Local display and streaming
Customer MIB	SNMP management

QUALITY STANDARDS



BLOCK DIAGRAM

