

DVB-S/S2 COMPACT MONITORING RECEIVER

DB22-S/S2-Compact is a monitoring probe of high quality and reliability in full compliance with DVB-S/S2 standards. What sets this product apart is the smart, practical compact design, combined with superb features and developed with the same attention to detail as the other models in the series. DB22-S/S2-Compact comes equipped with a powerful, high-end DSP-based digital tuner, which allows for accurate and dependable monitoring with detailed DVB-S/S2 component information and PID alarms. It also guarantees advanced decoding and monitoring of the MPEG transport stream and supports TR 101 290 monitoring, priority 1, 2 and 3.

DB22-S/S2-Compact boasts a selectable wide range IF filter bandwidth, an advanced QAM Analyzer and a spectrum analyzer allowing checks of the RF carrier. It also lets users choose between a predefined DVB channels scan or manual tune. It offers PLP extraction and TS PLP analysis, and can monitor sequentially multiple channel frequencies or PLPs. Adjustable MIN/MAX alarms for RF, SNR, BER and MER are also provide, with alarm dispatch achieved via email, SNMP ver.2C or GPO.

DB22-S/S2-Compact also offers Service Availability Error and Service Degradation Error functionality, RF Spectrum and Constellation display and an antenna port with a built-in RF attenuator. The LAN port ensures full TCP/IP remote control and the built-in WEB and FTP server make this product extremely easy to install and set up. Access to the device's settings is protected, while the built-in memory card provides users with 32GB of internal storage and firmware updates ensure the device's improved operation. Both Apple and Android devices are supported.



FEATURES

- DVB-S/S2 Compliant Monitoring Receiver
- Advanced MPEG Monitoring and PID Alarms
- Detailed DVB-S/S2 component information
- TR 101 290 Monitoring, Priority 1, 2 and 3
- Predefined channels scan or manual tune
- RF Spectrum & Constellation display
- PLP extraction and TS PLP analysis
- Built-in easy to use WEB and FTP server
- Antenna port with built-in RF attenuator
- Selectable wide range IF filter bandwidth
- Very Intuitive Navigational Menu
- Levels measurement with data history
- Spectrum analyzer allowing checking of the RF Carrier
- Service Availability Error & Service Degradation Error
- Adjustable MIN/MAX alarms for RF, CNR, BER, MER
- Alarm dispatch via E-mail, SNMP ver.2C and GPO
- LAN port for full TCP/IP remote control and monitoring
- Protected access to the device settings
- SNTP for automatic synchronization of the built-in clock
- LAN port for full TCP/IP remote control and monitoring
- Firmware updates will ensure improved operation
- Easy Installation and Setup

SPECIFICATIONS

RF Input	
Tuning Range	950 to 2150 MHz (LNB down conversion required)
Antenna Port	F Connector, Female, 75Ω
Supported Standards	DVB-S, DVB-S2
DVB-S	QPSK, code rates: 1/2, 2/3, 3/4, 5/6, 7/8
DVB-S2	CCM, VCM and ACM Modes Support; QPSK code rates: 1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10; 8PSK code rates: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10; 16APSK code rates: 2/3, 3/4, 4/5, 5/6, 8/9, 9/10; 32APSK code rates: 3/4, 4/5, 5/6, 8/9, 9/10
Symbol rates	DVB-S 65Msps QPSK; DVB-S2 65Msps QPSK, 60Msps 8PSK, 45Msps 16APSK

Communication Interfaces	
Type	RJ45 Connector, Ethernet 10/100 Base-T
Supported Protocols	HTTP, FTP, SMTP, SNMP v2/v2C
Device Discovery	UPnP support

Measurement Storage	
Storage	32GB Build-in Memory Card
Monitoring Logs Data format	Text, CSV

Operating conditions	
Temperature	10°C - 45°C
Humidity	< 75%, non-condensing

Power	
Voltage	External; 12V/1A
Power Consumption	12VA
Connector	Power Jack 5.5mm

Size and Weight	
Dimensions (W;H;D)	125 x 31 x 160 mm
Shipping Weight	270 x 54 x 230 mm / 1.1kg
HS Code	8527212000

Monitoring Features	
RF input level	30-110 dBμV ±1 dB
MER	0 to 40 dB (±1 dB)
CNR	up to 40 dB ±0.5 dB
BER (DVB-S)	Pre-Viterbi, Post-Viterbi
BER (DVB-S2)	Pre-LDPC, Post-LDPC, PER; Eb/N0, link margin, modulation parameters; MultiStream support, PLS support
Signal Lock	Lock/Unlock
Modulation parameters	L1 part 2 signaling in DVB-C
ETSI TR 101 290 Monitor	ETSI TR 101 290 Priority 1, 2 and 3; MPEG-2 TS Monitor
T2-MI Monitor	Single/Multi-PLP support; PLP extraction and TS PLP analysis (ETR 101 290); SAE (Service Availability Error), SDE (Service Degradation Error); Monitor sequentially multiple channel frequencies or PLPs
QoS Monitor	ETSI TR 101 290 SAE, SDE
Round-Robin Logger	up to 40 channels
RF Spectrum Display	RF Spectrum with SPAN 10 MHz
Constellation Display	QPSK
Other Features	Audio/Video Freeze Detection, DOCSIS Monitoring

WE NEVER SPARE EFFORTS AND RESOURCES TO TURN OUR IDEAS INTO SUCCESSFUL PRODUCTS