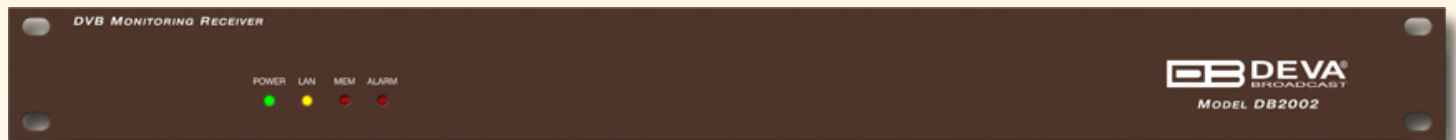


DVB-S/S2 BASIC MONITORING RECEIVER

Making sure that cutting-edge technology and intelligent solutions are available at an affordable price, DEVA Broadcast has developed DB2002-S/S2-Basic - a superb tool providing accurate monitoring in full compliance with DVB-S/S2 standards. It 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.

True to tradition, this product is really easy to use thanks to the LAN port and the built-in WEB and FTP server, guaranteeing full TCP/IP remote control and monitoring. Its great features include a selectable wide range IF filter bandwidth, an advanced QAM Analyzer and a spectrum analyzer allowing checks of the RF carrier. DB2002-S/S2-Basic 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 provided, with alarm dispatch achieved via email, SNMP ver.2C or GPO.

This product also offers an RF Spectrum and Constellation display, a professional ASI input and output and an antenna port with a scalable built-in RF attenuator. Access to the device settings is protected, while 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

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

Power	
Voltage	100-240V / 50-60 Hz
Power Consumption	20VA
Connector	IEC320, Fused and EMI-suppressed

Size and Weight	
Dimensions (W;H;D)	485 x 44 x 180 mm
Shipping Weight	540 x 115 x 300 mm / 2.700 kg
HS Code	8527212000

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