

## DVB-C COMPACT MONITORING RECEIVER

DB22-C–Compact is a reliable monitoring probe in full compliance with DVB-C standards. It has a practical and elegant compact design coupled with a powerful, high-end frequency digital tuner, and provides accurate and dependable monitoring with detailed DVB-C component information and PID alarms. This tool supports decoding and monitoring of the MPEG transport stream, as well as ETR290 monitoring, priority 1, 2 and 3.

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

Additionally, the DB22-C–Compact model has 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.

The compact DB22-C shows that design and functionality can go together, giving you a superb product at a reasonable price.



## FEATURES

- DVB-C Compliant Advanced Receiver
- High-end Frequency Agile Digital Tuner
- Advanced MPEG Monitoring and PID Alarms
- Advanced QAM Analyzer
- ETR290 Monitoring, Priority 1, 2 and 3
- Predefined DVB channels scan or manual tune
- BandScanner and RF Spectrum Analyzer
- PLP extraction and TS PLP analysis
- Built-in easy to use WEB and FTP server
- Antenna port with built-in RF attenuator
- Very Intuitive Navigational Menu
- SAE - Service Availability Error
- SDE - Service Degradation Error
- 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, SNR, CNR, BER, MER
- Alarm dispatch via E-mail, SNMP ver.2C and GPO
- Professional ASI Input and Output
- 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
- Apple and Android devices support
- Firmware updates will ensure improved operation
- Easy Installation and Setup

## SPECIFICATIONS

RF Input	
Tuning Range	40-1000 MHz, Frequency Agile
Tuning Step	10kHz
Tuner Sensitivity	30 dB $\mu$ V
Antenna Port	N Connector, Female, 50 $\Omega$
RF input level	up to 120 dB $\mu$ V
Channel bandwidth	6 & 8 MHz
Symbol rate Modulation	1.8 to 7.2 M symbols/s
Symbol rate Modulation	16QAM, 64QAM, 128QAM, 256QAM, 1024QAM, 4096QAM
Supported Standards	DVB-C

Monitoring Features	
RF input level	30-110 dB $\mu$ V $\pm$ 1 dB
MER	0 to 40 dB ( $\pm$ 1 dB)
SNR	0 to 40 dB ( $\pm$ 1 dB)
BER	Viterbi, RS
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
RF Spectrum Display	RF Spectrum with SPAN 10 MHz
Constellation Display	16QAM, 64QAM, 128QAM, 256QAM, 1024QAM, 4096QAM
Other Features	Audio/Video Freeze Detection, DOCSIS Monitoring

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

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