

## VB262

### DVB-C QAM/VSF DIGITAL CABLE

The VB262 Dual QAM/8VSB input option offers monitoring of cable TV signals as found in ITU-T J.83 Annex A/B/C QAM networks and DTT signals found in 8VSB networks. A chassis can be equipped with a VB120 or VB220 probe controller that has one or two VB262 RF input cards under its control.



### Technologies

Bridge Technologies options are designed to enhance the overall ability and performance of accurate monitoring in the broadcast environment

Click below to learn more about compatible technology options:

[ETR290™](#)

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### Environmental

[Euroenvironment](#) [RoHS](#) [WEEE](#)

### Chassis Options

[ACC](#) [DCC](#) [EC](#) [EC-DC](#)

## Overview

A complete configuration with a fully licenced VB120 provides real-time monitoring and alarming for four QAM or VSB RF inputs, 50 IP MPTS/SPTS multicasts, upgradeable in steps of 10 from an initial 10 streams, and an ASI TS input and output.

ETSI TR 101 290 analysis is performed in parallel for the QAM/8VSB inputs, the ASI input and the IP input. If the VB220 is used as master card, the IP monitoring capacity is increased to an impressive 260 MPTS/SPTS multicasts in addition to the RF inputs.

The combined unit is ideal for hybrid networks where IP is used as a carrier from head-end to the regional edge multiplexer/modulator/transmitter. The built-in round-robin functionality allows sequential analysis of multiple QAM or VSB multiplexes, making it possible to monitor the total broadcast contents of a cable transmission system using a single VB262.

Each RF input port can be programmed to scan through 50 individual frequencies in a round-robin fashion.

## Tech Features

### VB262 CABLE QAM ITU.T J-83 ANNEX A/B/C RF INPUT

- Frequency range: 51-1003 MHz
- Dual input digital cable receiver
- Fully independent inputs
- Fully compliant with ITU-T J.83 Annex A/B/C
- QAM modes: 16,32,64,128,256
- Constellation Diagram
- Wide symbol rate range of 0.87 to 7.0 Mbaud
- User selectable IF filter (6/7/8 MHz)
- Excellent neighbour channel isolation
- Dual 75 ohm F-connector inputs
- Pre-FEC BER, Post-FEC BER, SNR, MER, Level
- CFO, SRO

### VB262 SPECIFICATIONS

- Symbol rate: 0.87-7.0 Msym/s
- RF power level: -60 dBm to -10 dBm (+/-1.5 dB)
- SNR (\*): < 42 dB (+/-2 dB)
- MER: < 42 dB (+/-2 dB)
- BER pre-FEC (\*) > 1.0E-8
- BER post-FEC (\*) > 1.0E-9
- Input sensitivity: -60 dBm
- (\*) 6.9MS, BER 2x10e-4, QAM256
- Minimum signal strength for highest MER readings: -45 dBm

### VB262 VSB FEATURES INCLUDE

- Dual input digital terrestrial receiver
- Fully independent inputs
- VSB modes: 8VSB

## Software Options

- Additional RF input option for VB262 card for a total of two, factory ordered
- Additional RF input option for VB262 card for a total of two
- Advanced RF Option for VB262 with channel spectrum analysis, factory ordered
- Advanced RF Option for VB262, upgrade license

## Ordering Codes

VB VB262 – DVB-C QAM/8VSB/Analogue Demodulator Interface blade single RF input – ITU.T J83 Annex A/B/C

VB262RF-OPT – Additional RF input option for VB262 card for a total of two, factory ordered

VB262RF-UPGR – Additional RF input option for VB262 card for a total of two

VB262-ARF-OPT – Advanced RF Option for VB262 with channel spectrum analysis, factory ordered

VB262-ARF-UPGR – Advanced RF Option for VB262, upgrade license

## Documentation

[User Manual – Download](#)

[Quick Start Guide – Download](#)

## Related Products



**VB120**

IP MONITOR PROBE



**VB266**

DVB-C/C2 CABLE RF  
INTERFACE CARD