

NVQS QPSK Modulator

V-SHINE

Application

The V-SHINE[®]NVQS satellite modulator is a highly flexible product with a set of leading features, which makes it the backbone component in the satellite network distribution. NVQS, whose compact design is suitable for installations under complex environments, provides high-performance modulation whilst maintaining easy usage and control.



Business benefits

- The modulator is highly flexible, giving the user rich solutions for digital satellite modulation.

Key features

- Operation to ETSI standard EN 300 421(DVB-S)
- Symbol rate operation: 1-45Ms/s
- User selectable spectrum roll-off factor: 0.2, 0.35
- IF frequency: 36.125MHz, 36.15MHz, 44MHz
- IF level : 95dBuV, 90-108dBuV
- Optional RF output
- Static PID filtering
- User friendly configuration via V-SHINE NMDVS management system
- SNMP support

Interface Specifications

ASI Input

2×ASI inputs: 1 main+ 1 hot standby
Connector BNC, 75 Ω
Selectable PID range filtering

ASI Output

2×ASI outputs: 1 main+ 1 backup
or 2 independent
Connector BNC, 75 Ω

RF Output (Cable)

Connector: BNC, 75 Ω
Frequency: 50-860 MHz
Level: 105 -118dBuV

IF Output (Fixed)

Connector : BNC, 75 Ω
Frequency : 36.125MHz, 36.15MHz, 44MHz
Level : 95dBuV

Signal Specifications

Convolutional coding with code rates:
1/2, 2/3, 3/4, 4/5, 5/6 and 7/8
Symbol rate : 1 to 45MS/s

Options

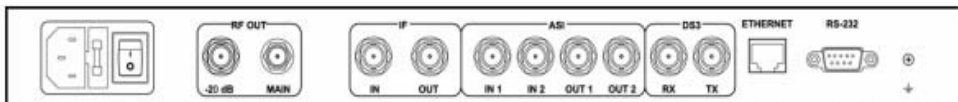
DS3 interface DS3 loop through

Control

Front panel and keypad:
system configuration and alarm display
NMDVS supported via 100Base-T Ethernet.
SNMP remote control

Physical and power

Dimensions: (W× D×H) 48.3× 35.0×4.4cm
(19.0"×13.8"×1RU)
Approx weight: 6kg
Power input: 90 - 264Vac
Consumption: 10.5W maximum



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