



DVL SERIES QPSK RECEIVER



GENERAL DESCRIPTION -

- **The DVL Series QPSK Receiver** are designed to operate in the 863 MHz to 2300 MHz range to receive multiple high quality digital Video and Audio programs in the same user-defined RF channel bandwidth.
 - **Full metering**, control, setting and system diagnostic is available on the front panel.
 - **Digital networks compatibility.** The DVL series Receivers are suitable for being integrated in any analog or digital network with easy and direct connection to terrestrial digital or analog broadcasting transmitters.
 - **Multichannel configuration.** The new ONAIR DVL-Rx series RX Receiver allows a top quality Video and Audio connection with possibility of multichannel configuration for a very spectrum efficient and cost effective solution.
- DVL-Rx series RX Receiver/Decoder has 1, 2, 3, 4 Video channels capacity and 2, 4, 6, 8 Audio channels capacity)



TECHNICAL CHARACTERISTICS

General Specifications:

- LCD display (2x16 characters)
- Front Panel Keypad / Keypad lock
- Selectable BER value / signal strength display
- Automatic FEC detection, carrier tracking, power-on reset
- LED indicators (Power, Lock, Alarm)
- Optional BISS decoding
- C- / KU band reception
- Dynamic PMT feature
- PAL, SECAM and NTSC systems

RF Characteristics:

- Input Level: -25 dBm to -65 dBm
- Input Frequency: 863-2300 MHz
- Modulation: QPSK
- Symbol Rate: 1-45 M symbols/sec (M bauds)
- FEC Coding: 1/2, 2/3, 3/4, 5/6, 7/8 automatic selection



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Input Impedance: 75 Ω

LNB Power Supply: 13/18 V polarity switching, plus 22 kHz

LNB Current: 400 mA, short circuit protected

Input Connector: F- type, female

Loop Out Connector: F- type, female

Video Compression:

Data Rate: 1.5 – 15 Mbps

Compression Type: MPEG-2, 4:2:0

Video Format: 4:3

Video Output:

Video Format: Composite PAL/NTSC/SECAM

Output Level: 1 Vpp menu adjustable

Output Impedance: 75 Ohm

Chroma- Luma Gain : < 5 %

Chroma- Luma Delay : < 25 ns

Luminance non-linearity : < 4 %

Connector type: BNC, female

Monitor output: BNC, female

Audio Compression:

Compression Type: MPEG-1 Layer-I, II

Output Modes: Stereo, Dual Mono, Mono

Sampling Rate: 32, 44.1 and 48 kHz

Audio Outputs:

Frequency range: 16Hz-22 kHz

ORDER CODES

DVL/Rx/12	QPSK RECEIVER 1 Video+2 Audio
DVL/Rx/24	QPSK RECEIVER 2 Video+4 Audio
DVL/Rx/36	QPSK RECEIVER 3 Video+6 Audio
DVL/Rx/48	QPSK RECEIVER 4 Video+8 Audio
DVL/Rx/LR	QPSK RECEIVER 2 Audio
DVL/Rx/2LR	QPSK RECEIVER 4 Audio
DVL/Rx/3LR	QPSK RECEIVER 6 Audio
DVL/Rx/4LR	QPSK RECEIVER 8 Audio