

QUADRANT DVB-T Modulator Technical Specifications

RF Connector: 75 Ω F type

RF Output Frequency Range: 512MHz to 806MHz, i.e.

UHF Channels E21-E69

RF Output Power over bandwidth: -20dBm into 75 Ω

DVB-T Spec. COFDM according to EN 300 744

Channel Bandwidth: 5,6,7 or 8MHz default

COFDM Spectrum: 2k carriers

Modulation Modes: QPSK, QAM16 and QAM64

Guard Interval Modes: 1/32, 1/16, 1/8 and 1/4.

FEC Code Rates: 1/2, 2/3, 3/4, 5/6, 7/8.

Spectral Inversion: Selectable, inverted or non-inverted

MER: 35dB typical

MPEG Bit rate: 15Mb/s High Quality Encoder

Audio Input: Stereo into PHONO sockets, Red and White

Audio Level: 1V RMS into 10K Ω

Mono Mode: An audio feed to only one channel appears on both

Composite Video Input: PHONO socket, Yellow

Y/C (S Video) Input: Mini DIN socket

Video Level: 1V p-p into 75 Ω

Standards: PAL and NTSC supported, 9 Bit A/D Decoder.

DC Power: 12V DC

Power connector: 2.5mm Barrel type

Serial port: RS-232 port for firmware upgrades etc.

Serial Connector: RJ45

Primary Display: 2x16 LCD Panel with LED Backlight

Secondary Display: LEDs for Power, Activity & Status

Keypad: 5 Button, integrated into Front Panel Membrane

Overall Dimensions: 165 x120 x 55mm

Construction: Single Eurocard in extruded Aluminium case