

The HDMOD-2 is a high quality DVB-T "Home" modulator which accepts one HDMI signal and converts it into one RF DVB-T channel on its output.

HDMOD-2

Full HD DVB-T modulator with HDMI input

TECHNICAL CHARACTERISTICS

Type: 1 x HDMI

Connector: 1 x HDMI Type A

Video coding: MPEG-4 AVC / H.264

Profile: High profile 4.0

Resolution: 1920x1080-30p for HDMI
- PAL 720x576@25fps

HDCP support: Yes

Audio: HDMI & Mono/Stereo

Audio encoding : MPEG2, ACC, AC3

Standard: MPEG-1 Layer II

Audio bit rate: 64, 96, 128, 192, 256, 320, 384 kbps

Level: 0.5Vpp to 1.0Vpp adjustable

DVB-T (OUT)

Standard: EN 300 744

Bandwidth: 5, 6, 7, 8 MHz

Mode: 2K, 8K

Constellation: QPSK, 16QAM, 64QAM

Guard interval: 1/4, 1/8, 1/16, 1/32

Code rate: 1/2, 2/3, 3/4, 5/6, 7/8

Programming Interface

Connector: Seven Segment Display + keypad USB interface

H.264 encoder

Standard: MPEG-4 AVC / H.264

Bit rate: 1 - 19 Mbps adjustable

Configurable parameters: Service Name, Service ID, Video PID, Audio PID, PMT PID, PCR PID

Transport Stream Processing

Automatic regeneration:

NIT, PAT, CAT, SDT, PMTs, EITs tables

Configurable parameters:

TS ID, Original Network ID, Network ID, Provider Name

LCN support: Yes

LCN providers: Nordig, ITC/UK, EICTA/Europe, New Zealand

RF Output

Type: RF DVB-T (COFDM)

Output Frequencies: 174...862MHz (1 Hz step)

Output Level: 90dbµV max.

Connector: 75Ω - F, female

RF output attenuator: 0...25dB

MER: 35dB (Typical)

Shoulder attenuation:

More than 45dB

General

Power supply: +12VDC

Power supply consumption: 340 mA max.

Operating temperature: 0 °C to 50 °C

Storage temperature: -10 °C to +70 °C

Humidity: Up to 90%

Dimensions: 205 x 101,80 x 41 mm

Weight: 0.3Kg

