

HDMOD 4

"Home" modulator

1 x HDMI (in/out) to DVB-T (COFDM)

Features

- ▶ 1 HDMI input
- ▶ True HDCP support
- ▶ Full HD (1920 x 1080 - 30p) resolution
- ▶ H.264 compression
- ▶ MER value ~ 35dB
- ▶ Control with smartphone app via Bluetooth v4.0
- ▶ Does not require Bluetooth pairing
- ▶ Android v5.1 and above or iOS 11 and above
- ▶ 5 year warranty



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1 x HDMI (in/out) to DVB-T (COFDM)



- The HDMOD-4 is a high quality DVB-T "Home" modulator which accepts one HDMI and converts it into one RF DVB-T channel on its output. The excellent picture (Full HD 1920 x 1080 - 30p) and modulation quality (MER ~35dB) renders the HDMOD-4 the ideal solution for distributing SD/HD digital signals coming from e.g. a DVD player, STB or camera in a CATV network using the DVB-T technology.
- The user has the ability to control the device remotely using Bluetooth interface by downloading the appropriate application from the Android or iOS market for free. Finally, the HDMOD-4's small size and metal case provides excellent electromagnetic shielding as well as great temperature dissipation and rigidity.

Technical Specifications

Input

Type	HDMI
Connector	1 x HDMI Type A
Video coding	MPEG-4 AVC / H.264
Profile	High profile 4.0
Resolution	1920x1080-30p for HDMI
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

Method	Via Bluetooth v4.0 and above (BLE) ETSI EN 300 328 and EN 300 440 Class 2 (Europe) FCC CFR47 Part 15 (US) and ARIB STD-T66 (Japan)
Android	v5.1 and above
iOS	v11 and above

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	470...862MHz
Output Level	90dBµV max.
Connector	1 x 75Ω - F, female
Output Attenuator	0...25dB
MER	35dB (Typical)
Shoulder attenuation	More than 45dBc

General

Power supply	+12VDC
Power supply consumption	280 mA max.
Operating temperature	0 °C to 50 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	131 x 83.5 x 26 mm
Weight	0.2Kg

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