

# HDMOD-Q1

**"Home" modulator**  
4x HDMI to 4x DVB-T (COFDM)



Leading the signal  
all over the world

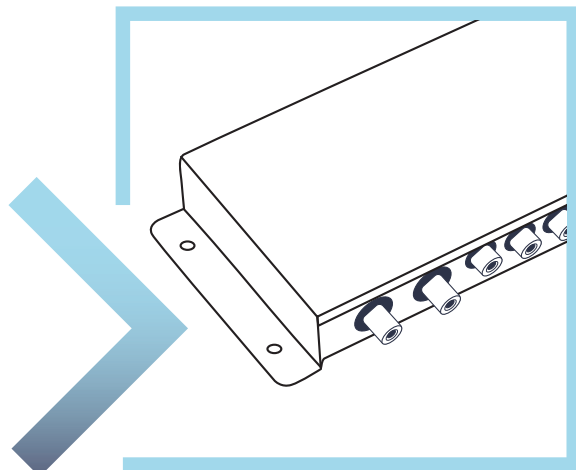


# HDMOD-Q1

The HDMOD-Q1 is a high quality quad DVB-T "Home" modulator which accepts four HDMI inputs and converts them into four RF DVB-T channels on its output. The excellent picture (Full HD 1920\*1080-30p) and modulation quality (MER~35dB) renders the HDMOD-Q1 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 by either using the onboard SSD (Seven Segment Display) interface and keypad for quick installation or by using the USB interface with the appropriate software accompanying the HDMOD-Q1 for advance programming.

Finally, the HDMOD-Q1's metal case provides excellent electromagnetic shielding as well as great temperature dissipation and rigidity.



## Features

- 4 x DVB-T RF out
- High quality and performance
- Very clean RF spectrum
- MER value ~ 35dB
- RF output frequencies 174...862MHz
- H.264 HD encoder bitrate 1-19Mbps
- HDCP support
- User friendly interface for quick installation
- USB interface for advanced programming
- External power supply



## 4x HDMI to 4x DVB-T (COFDM)

# HDMOD-Q1

### Technical Specifications



#### Input Specifications

Type	4 x HDMI
Connector	4 x HDMI Type A
Video coding	MPEG-4 AVC/H.264
Profile	High profile 4.0
Resolution	Up to 1920x1080-30p
HDCP support	Yes
Audio	HDMI
Audio encoding	MPEG2, ACC, AC3
Standard:	MPEG-1 Layer II
Audio Bit Rate	64, 96, 128, 192, 256, 320, 384 kbps

#### H.264 Encoder

Standard	MPEG-4 AVC/H.264
Bit Rate	1 – 19 Mb/s adjustable
Configurable parameters	Service Name, Service ID, Video PID, Audio PID, PMT 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

#### DVB-T Output

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

#### RF Output

Type	4 x RF DVB-T (COFDM)
Output frequencies	174...862MHz
Output level	4 x 90db $\mu$ V max.
Connector	75 $\Omega$ - F, female
Output attenuator	0...25dB
MER	35dB (Typical)
Shoulder attenuation	>45dBc
Connectors	1 x F - female

#### Programming interface

Seven Segment Display + keypad  
USB interface

#### EAN-13

Code	5213009760027
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#### General

Power supply	+12VDC
Power supply consumption	1.3A max.
Operating temperature	0 °C to 50 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	206 x 179 x 30mm
Weight	0.55Kg

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