

Single Input HD Digital DVB-T COFDM Modulator

proDMHD11

The PROception Digital Modulator is perfect for multi-video distribution solutions in both home entertainment system and commercial/institutional markets. Use for converting any High Definition video and audio signals into a DVB-T multiplex for viewing on a digital TV system.

Installations and applications include hotels, motels, sports bars, restaurants, hospitals, casinos, businesses and university campuses, etc.

Typical applications would include CCTV single/quad output, locally produced video, distribution of Freesat, Sky, Virgin, BT, DVD, PC, etc

The channel produced appears in the DTT channel listing along with the other TV channels.



Features

- Converts HD signal into a flexible DVB-T Multiplex.
- HDMI inputs with HDMI loop through.
- Video resolution up to 1080p.
- Clean and clear picture of high motion video, sports and text crawls/rolls etc.
- Programmable via LCD control (on front panel) or via GUI interface for advanced features.
- All interfaces designed to be clear, simple and user-friendly. Easy to install with factory pre-set for a typical installation
- Output Level 85 dBuV.
- Manual gain control (+/- 20 dB) to eliminate problems due to high signal strength.
- LCN Function, fully agile setting.
- Easy integration into an existing network.
- RJ45 port for easy setup from remote location.
- Cool & silent operation.
- 2K & 8K Carrier Modes.
- Firmware upgradeable.
- Rack mountable.
- Suitable for devices with Freeview HD DVB-T2 Tuner (MPEG-4/AVC). Not compatible with SD and MPEG-2 HD ready TVs.

Technical Information

INPUT	
Video Input	HDMI 1.4
Loop Through	HDMI 1.4

OUTPUT	
Frequency Range	470 MHz - 862 MHz
Output Level	85 dBuV
Output Impedance	75 ohm
Channel Bandwidth	7/8 MHz
Channel Level Adjustment	20 dB typical (Manual Control)
MER	36 dB min
Connector Type	F-type female

MODULATION	
Video Resolution	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Video Compression	H.264 AVC
Audio Compression	MPEG1 Layer II / AAC
LCN	Yes
Guard Interval	1/32
Code Rate (FEC)	7/8
Constellations	64 QAM

GENERAL	
Power Supply	12 VDC 1.5 A
Consumption	500 mA
Languages	English
Operating Temperature	+32° F to +113° F (0° C to +45° C)
Storage Temperature	+14° F to +140° F (-10° C to +60° C)
Dimensions	236 mm x 155 mm x 35 mm
Weight	880 g

Specifications are subject to change without prior notice.