

Single Input SD Digital DVB-T COFDM Modulator

proDMSD 1 1

The PROception Digital Modulator is perfect for multi-video distribution solutions in both home entertainment system and commercial/institutional markets. Use for converting any composite A/V analogue 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 a composite A/V signal into a flexible DVB-T Multiplex.
- S-Video, Component and Composite inputs.
- Fully programmable via LCD control (on front panel) or via GUI interface.
- All interfaces designed to be clear, simple and user-friendly. Easy to install with factory pre-set for a typical installation
- Output Level 105 dBuV.
- Includes both manual gain control (+/- 20 dB) and software gain adjustment of (+/- 20 dB) giving total range capability of (+/- 40 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.
- Rack mountable.
- Firmware upgradeable.

Technical Information

INPUT	
Video Input	S-Video, Component, Composite
Video Input Level	0.7 - 1.4 V (peak-peak)
Video Mode	PAL / NTSC
Audio Input	Stereo
Audio Input Level	0.4 - 0.8 V (peak-peak)
Input Connectors	<ul style="list-style-type: none"> • S-Video • YPbPr component input (Video) • Composite input (Video) • L/R channel Audio input (Audio)
Input Impedance	75 ohm

OUTPUT	
Frequency Range	470 MHz - 862 MHz
Output Level	105 dBuV
Output Impedance	75 ohm
Channel Bandwidth	7/8 MHz
Channel Level Adjustment	<ul style="list-style-type: none"> • 20 dB typical (Manual Control) • 20 db (Software)
MER	33 dB min
Connector Type	F-type female

MODULATION	
Video Resolution	<ul style="list-style-type: none"> • PAL 720x576 @25 fps • NTSC 720x480 @30 fps
Video Compression	MPEG-2
Audio Compression	MPEG1 Layer II
LCN	Yes
Guard Intervals	1/4, 1/8, 1/16, 1/32
Code Rate (FEC)	2/3, 3/4, 5/6, 7/8
Constellations	16 QAM / 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.