

FDM-1100

Single Input SD Digital DVB-T Modulator



APPLICATION

Fenger FDM-1100 modulator is perfect for multi-video distribution solutions in the commercial and institutional market (hotels, motels, sports bars, restaurants, hospitals, casinos, business and university campuses, etc.) as well as home entertainment systems.

ORDERING INFORMATION

517146 FDM-1100, Single Input SD Digital DVB-T Modulator

FEATURES & BENEFITS

- *Single Input Encoder/Modulator that converts Video and Audio signals to digital COFDM DVB-T Channel*
- *Composite Input*
- *MPEG-2 Video Compression*
- *Programmable LCN Channel and Network Names*
- *Full function front LCD display for adjustments*
- *Adjustable VHF/UHF Output (2-69)*
- *Adjustable Attenuation (85 dBuV launch)*
- *Cool & Silent operation*
- *Includes 12V DC Switch Mode PSU*



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MANUFACTURING SPECIFICATION

INPUT

Video Input	CVBS
Video Input Level	0.7 – 1.4 Vpp
Video Mode	PAL/NTSC
Audio Input	Stereo
Audio Input Level	0.4 – 0.8 Vpp
Input Connectors	Video 1x RCA, Audio 2x RCA (L/R)
Input Impedance	75 Ohm

ENCODER

Video Compression	MPEG-2 MP@ML
Video Resolution	720x576 @ 25fps (PAL), 720x480 @ 30fps (NTSC)
Video Bit Rate	9.85 Mbps
Audio Compression	MPEG-1 Layer II
Audio Bit Rate	256 Kbps

DVB PROCESSING

Table Insertion	PAT, PMT, SDT, NIT
Configuration	Channel Name, SID, LCN, NID, Network Name, TSID, ONID, NIT MODE, LCN MODE

OUTPUT

Standard	DVB-T according to EN 300 744
Frequency Range	50.5 to 858 MHz
Output Level	85 dBuV
Output Level Adjustment	0 – 20 dB
Channel Bandwidth	7 MHz, 8 MHz
MER	≥30 dB
Carrier (OFDM Mode)	2K, 8K
Constellation	16QAM, 64QAM
Guard Interval	1/4, 1/8, 1/16, 1/32
Code Rate (FEC)	1/2, 2/3, 3/4, 5/6, 7/8
Output Connector	F-female
Output Impedance	75 Ohm

INTERFACE

Local Setup	LCD + Control Buttons
Language	English

GENERAL

Power Supply	12 VDC, 1.5 AMP
Consumption	<700 mA
Temperature Rating	0 to 45 °C
Dimensions (L x W x H)	236 x 155 x 35 mm
Weight	0.955 kg

COMPLIANCE

Applicable Standards	EN 60728-11:2005, EN 60065:2003 EN 50083-2:2007 1 Year Warranty
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