

FDM-T1HD

Full HD Video to DVB-T Modulator

APPLICATION

Fenger FDM-T1HD is a High Definition Video Modulator that takes the output from one HD source and broadcasts it over standard coax cabling to any connected HD TVs. The device can be used in public place such as metro, hotels, resorts, boats, hospitals... besides that it's a good choice for bars to offer HD sports channels, for VIP entertainment channels, for enjoy digital video via computer.

FEATURES & BENEFITS

- All-in-one HD Encoder + DVB-T Modulator
- Full HD support 1920x1080 @ 50p/60p
- MPEG-4 H.264/AVC Encoding
- Simple distribution via the antenna cable
- RF output selectable to any VHF-UHF channel
- Excellent modulation quality MER ≥ 42 dB
- LCN support (Logical Channel Number)
- IPTV Streaming out for LAN/WiFi distribution
- Local setup via LCD + control buttons
- Remote management via Web Browser
- Easy and quick installation
- True HD entertainment system
- CE certification



ORDERING INFORMATION

517155..... FDM-T1HD, HD Video to DVB-T Modulator,
with IPTV output for LAN/WiFi

SPECIFICATIONS

FDM-T1HD

ENCODING SECTION

VIDEO

Input.....	HDMI
Encoding Profile.....	MPEG-4 H.264 AVC, High Profile Level 4.0 (HD)
Bit Rate.....	1 to 19.5 Mbps
Resolution.....	1920x1080 @ 60p, 1920x1080 @ 50p 1920x1080 @ 60i, 1920x1080 @ 50i 1280x720 @ 60p, 1280x720 @ 50p

AUDIO

Input.....	From HDMI
Encoding Profile.....	MPEG-1 Layer II, All Modes, Surround pass-through
Sampling Rate.....	48 KHz
Bit Rate.....	64Kbps, 96Kbps, 128Kbps, 192Kbps, 256Kbps, 320Kbps

DVB-T MODULATOR

Standard.....	EN 300744
Frequency Range.....	30 to 960 MHz
Output Level.....	80 to 97 dBμV
Channel Bandwidth.....	6/7/8 MHz
MER.....	≥42 dB
FFT 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
Connector.....	2 x F-type (loop-through)
Impedance.....	75 Ohm

INTERFACE

Local Setup.....	LCD + control buttons
Remote Management.....	Via standard Web Browser from any PC
Language.....	English

GENERAL

Power Supply.....	100 to 240 VAC, 50/60 Hz, 2A
Dimensions.....	250 x 268 x 44 mm
Weight.....	2.6 kg
Temperature Rating.....	0 to +45 °C

COMPLIANCE

Applicable Standards.....	EN 60950-1:2006+A1:2010, EN 55022:2010 EN 55024:2010, EN 50083-2:2006, IEC 60728-2:2010 EN 61000-3-2:2006+A2, EN 61000-3-3, CE; 1 Year Warranty
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