

HDM-1L

HDMI to Digital (DVB-T) Modulator

The HDM-1L is the digital head-end equipment with encoder and modulator together and it is the high definition DVB-T modulator with HDMI. The design of HDM-1L is to achieve 1080p video resolution by using H.264 encoding engine and the state-of-the-art COFDM modulation technologies.

The HDM-1L can encode and modulate the video/audio signals from TV satellite receivers, surveillance camera or media player then send a RF signal to a LCD TV or a Set-top box.



- ◆ Integration of H.264/AVC encoder and DVB-T COFDM modulator in one box
- ◆ HDMI input
- ◆ Compliant with HDMI 1.3, HDCP 1.4 and DVI 1.0 specification
- ◆ Compliant ETSI EN300 744 DVB-T standard
- ◆ Programmable PMT PID/Video PID/Audio PID/PCR PID
- ◆ Programmable service name, network name, TS ID, ONID, NID, LCN and P.D.S.
- ◆ User friendly front panel operation via button and LCD display

INPUT

Video input	HDMI
Audio input	Stereo, HDMI
Connector type	Video: HDMI Type A receptacle Audio: HDMI Type A receptacle

ENCODING

Video resolution	Up to 1080p@30Hz
PC resolution	800×600 / 1024×768 / 1280×600 1280×720 / 1280×768 / 1360×768/1366×768
Video compression	H.264/AVC
Audio compression	MPEG-1 Audio Layer II (ISO/IEC 11172-3)
PID setting	PMT/Video & Audio/ PCR
PSI	NID/ONID/P.D.S./TS ID
LCN	Up to 1023
Service name	At most 15 characters

MODULATION

Number of carriers	2K/8K
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Constellation	QPSK/16QAM/64QAM

OUTPUT

COFDM standard	DVB-T in accordance with ETSI EN 300 744
Frequency range	100-860MHz
Output level	90dB μ V
Channel bandwidth	6-8MHz
MER	>36dB
Connector type	'F' Female

CONTROL

Local operation	LCD panel
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GENERAL CHARACTERISTICS

Type	Wall mount
Dimensions / Weight	36.5×150×150mm / 0.48kg
Power supply	12V DC
Power consumption	8W