

HDM1 - HD via 1 x auto-detecting HDMI input to DVB-T out Modulator



- Auto-detection of HDMI format
- Maximum resolution 1080p 60Hz Full HD
- H.264/MPEG-4 modulation
- Full LCN support
- Editable Channel and Info titles

The HDM1 has been specifically designed in a low cost stand alone case for converting existing HDMI/DVI output from any source into a single High Definition 'Freeview' compatible digital multiplex for further distribution and viewable on any 'Freeview' HD tuner equipped television.

The HDM1 works by offering the incoming HDMI signal into an MPEG-4 encoder whereby the signal is then modulated into a standard 8MHz COFDM multiplex.

Programmed via the front panel, a simple menu based setup screen allows the titling (up to 15 characters) and channel numbering with a whole host of extra features, such as channel tuning and level adjustment.

Use for creating DVB-T from a multitude of HDMI/DVI sources including: satellite receivers, computers, Blu-ray players, media and digital signage players.

INPUT	
Video	HDMI/DVI
Audio	Digital via HDMI
Connector	HDMI x 1 in "f" x 1 out "f" x 1 antenna loop through
PROCESSING	
Audio compression	MPEG 1 layer II
Bit Rate	Fixed 192Kbits/s
Video compression	H.264/MPEG-4 AVC
Maximum resolution	1080p 60Hz
Video Bit Rate	Auto
Quality	576i, 576p, 720p, 1080i, 1080p at 50/60Hz
Insertion of PSI/SI tables	NID, ONID, PDS, TSID
LCN processing	YES
Editable Channel and Info titles	YES

OUTPUT	
Output standard	ETSI EN 300 744 (DVB-T)
Carriers	2K, 8K
Output format	QPSK, 16QAM, 64QAM
Guard intervals	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Output frequencies	100...860MHz
Off set frequency steps	Down to 1kHz
Channel bandwidth	6, 7, 8MHz
Maximum output level	90 dB μ V
Output attenuation	0...-15dB
MER (typical)	\geq 33dB
GENERAL	
Voltage	230-240Vac
Power consumption	8W
Temperature range	0...+45C
Weight, System	0.4kg
Weight, Shipping	1kg
Dimensions, System	173 x 149 x 50mm
Local interface	LCD + buttons