



# Stand alone modulators

## HDMI to DVB-T modulator

Modulating from HDMI signal source into COFDM modulated DVB-T RF channel.

- frequency agile TV modulator
- LED display and push buttons control of internal microprocessor
- adjustable RF output level
- loop through RF combining
- wall mounting
- mains 230 AC adapter in delivery
- connectors:
  - digital input - HDMI
  - socket RF - type F
  - PC connection - USB
  - DC entry - 5.5/2.1 mm DC jack



### Technical specifications

T Y P E		MHD101
<b>Ordering number</b>		14806
<b>Video input</b>	input signal type	HDMI
	video coding	MPEG-4 AVC/H.264, High profile 4.0
	resolution	1920x1080-30p
<b>Audio input</b>	input signal type	HDMI
	standard	MPEG-1 Layer II
	audio bit rate	64, 96, 128, 192, 256, 320, 384 kbps
<b>H.264 Encoder</b>	standard	MPEG-4 AVC/H.264
	bit rate	1 - 19 Mb/s adjustable
	configurable parameters	Service Name, Service ID, Video PID, Audio PID, PMT PID, PCR PID
<b>Transport stream processing</b>	automatic regeneration	NIT, PAT, CAT, SDT, PMTs, EITs tables
	configurable parameters	TS ID, Original Network ID, Network ID, Provider Name
	LNC support	Yes
	LNC providers	Nordin, ITC/UK, EICTA/Europe, New Zealand
<b>Modulation</b>	standard	EN 300 744
	MER, typical	35 dB
	modulation	QPSK, QAM16, QAM64
	channel bandwidth	5/6/7/8 MHz
	guard interval	1/4, 1/8, 1/16, 1/32
	code rate	1/2, 2/3, 3/4, 5/6, 7/8
	transmission mode	2K/8K
	shoulder attenuation	> 45 dB
<b>RF output</b>	frequency range	174 - 862 MHz by 1 Hz step
	level/impedance	90 dB $\mu$ V/75 $\Omega$
	output level adjustment range	0 $\div$ -20 dB
	combining through loss	< 1 dB
<b>Current consumption</b>		12 V 0.4 A max.
<b>Operating temperature</b>		0 $^{\circ}$ C $\div$ +50 $^{\circ}$ C
<b>Dimensions/Weight (packed)</b>		166x109.5x30 mm/0.25 kg