DVB-T2 MODULATOR 1CH



DVB-T2 modulator 1ch is developed special for professional TV broadcasting. It supports modulations from QPSK to 256-QAM with high modulation error rate (MER) more than 27 dB.

- Universal RS-232 management protocol
- PSI tables generator
- Up to 16k carrier mode
- "Carrier only" mode
- BUC power injection 24V, 3A
- 10 MHz reference, 10-6-10-8 stability (optionally)

Input Parameters	
ASI	1xASI, 188/204 Bytes MPEG-TS
Interface	BNC
Input impedance	75 Ω
Modulator	
Modulation type	DVB-T2
Constellation	QPSK, 16QAM, 64QAM, 256QAM
MER	>42 dB @ 500 MHz
FEC	1/2 3/5 2/3 3/4 4/5 5/6

Constellation rotate	Embedded, Disable
COFDM Mode	1k, 2k, 4k, 8k, 8k ext., 16k, 16k ext.
Pilot S	PP2, PP3, PP8
Guard interval	1/4 19/128 1/8 19/256 1/16 1/32 1/128
Bandwidth	1.7, 5, 6, 7 and 8 MHz
RF Output	
Power	-27 – 0 dBm
Output frequency range	10 MHz–1100 MHz in 1 kHz-steps
«Carrier only» mode	Yes
10 MHz reference	10-6-10-8 stability (optional)
Connector type	F-female (N or SMA optional)
Power injection	24V, 3A (optional)
Management	
Interface	1 x RS-232 port, keyboard and LCD(optional)
Miscellaneous	
Front panel	3.5'' LCD with 8 x Control Button (optional)
	2 x Power button (Main and BUC)
Rear panel	1 x ASI input
	1 x IF output
	1 x RS-232 (DB-9) port
	1 x Power Supply Receptacle (AC Input) with Fuse

1 x GND connector

Power Supply	
Input voltage	90-250 VAC, 50/60Hz
Power consumption, max	30 W (Typ.)
Environmental	
Operating temperature	0 to +45 (32 to +113)
Storage temperature	-20 to +80 (-4 to +176)
Operating humidity	≤90%, non-condensing
Mechanical	
Dimensions (W x H x D)	483mm x 44.5mm x 300mm (1 RU)
Weight	2 Kg approx.

Taking into consideration that we (UMT LLC) are developer and system integrator, also do not stop on our technical growth and improvement, know that view of all our devices and equipment including their technical parameters may be different from pictures presented on website and parameters listed on each device webpage. **Note!** All details customer has to confirm in advance during ordering and before payment. Those parameters that were not specified and / or were not agreed while ordering will be implemented as basic at the discretion of the manufacturer. Each our customer has 1.5 year warranty and 7 year aftersales support for whole range of our products.