

DM340T

Digital Dual/Quad A/V DVB-T/DVB-C Modulator



Art. nr: 650 73 40 | Modulator quad DM340TQ, for DVB-T/C, Pro-Quad

Art. nr: 650 73 20 | Modulator twin DM340TD, for DVB-T/C, Pro-Twin

- Program via front panel controls
- Excellent C/N & MER on output
- High attenuation of spurious output signals by SAW filter
- LCN function
- 1 ~ 4 A/V sources
- Professional quality for high demands
- Low power consumption
- Small form factor
- Dual model upgradeable to Quad version

With DM340T one, two, three or four A/V sources can be converted to DVB-T or DVB-C. Modulator is designed for networks with professional requirements for the quality of picture/sound and offers a cost effective solution. DM340T is perfect for schools, hotels & other cable TV networks as well as for homes with high demands on quality. A/V source is first converted to MPEG2 format, then modulated to a VHF or UHF channel via the built-in modulator. To optimize quality and minimize spurious output especially from the local oscillator dual mixers and SAW-filters are utilized.

Output level is adjustable from 70~85 dBuV, minimizing noise and the need for an external output amplifier. Encoder Bitrate can be set between 1 MBit/s & 9 MBit/s or this can be left in Auto mode. In Auto mode the modulator available Bitrate will be divided between the encoders up to a maximum of 13.5 MBit/s. DM340T is easily configured through front panel control & LCD.

TECHNICAL SPECIFICATIONS		
MODULATOR OUTPUT	DVB-T	DVB-C
Frequency Range	50.5 ~ 858 MHz	
Modulation Format	2K, 8K	QAM
Channel Bandwidth / Symbol Rate	6, 7, 8 MHz	600 ~ 7000
Guard Intervals	1/4, 1/8, 1/16, 1/32	N/A
Constellation	QPSK, 16 & 64 QAM	16, 32, 64, 128 & 256 QAM
FEC Rate / Roll Off	1/2, 2/3, 3/4, 5/6, 7/8	1.3, 1.5
LCN	UK, Europe, Nordig 1 & 2, New Zealand	
Output Level	85 dBuV	
Output Level Adjust	Adjust 0~15dB in 0.5dB step	
Output Impedance	75 Ohm	
Ripple (50~858 MHz)	<2 dB	
Output Spurious UHF	< -59 dBc	
Output Spurious VHF/UHF	< -53 dBc	
Carrier Phase Noise (± 10 KHz)	-100 dBc/Hz	
Modulation Error Rate	40 dBc Typical	
Frequency Stability	10 ppm	
C/N	50dB Typical	
RF Loop	-3dB Typical (Passive)	
MPEG ENCODER		
Video	MPEG2 MP@ML, PAL. 720x576 25fps, NTSC. 720x480 30fps	
Audio	MPEG1 Layer I & II	
SI Generation	PAT, PMT, SDT, NIT	
Channel Naming	Yes	
Channel Numbering	Yes with LCN	
POWER		
12V @ 1.15A Dual (1.5A Quad Model)	Use supplied 220~240 V AC Adapter only	
PHYSICAL		
Dimensions	245 x 168 x 57 mm	
Weight	1.13 kg (1.22kg Quad Model)	
FRONT PANEL		
LCD Display	16x2 LCD Backlight	
Controls	Menu, OK, Save, Up, Down, Left, Right	
REAR PANEL		
Video Input	RCA Video Ch1, Ch2, (Ch3, Ch4 Quad Model Only) 75 Ohm	
Video Input Level	0.5~1.7 Vpp (1 V Nominal) CVBS PAL/NTSC	
Audio	RCA Stereo Audio L/R Ch1, Ch2, (Ch3, Ch4 Quad Model Only)	
Audio Input Level	0.6~3 Vpp	
RF Output	75 Ohm "F" Female	
RF Input	75 Ohm "F" Female	
DC Input	2.1 mm DC Input	

Examples of sources

- DVD player or digital set top box
- Power Point presentation from PC
- CCTV Cameras
- Own internal TV programs

RSD Communications Ltd.
 Unit 2, 8 Borrowmeadow Road
 Springkerse Industrial Estate
 Stirling, FK7 7UW, United Kingdom
 Tel: +44 (0) 1786 450572 | Fax: +44 (0) 1786 474653
www.rsd.tv | info@rsd.tv