

Twin DVB-S/S2 to DVB-T CI Transmodulator 14MM-TDX420C



For the Best

Features and Benefits

- » Converting of 2 DVB-S/S2 modulated input signals into 2 COFDM modulated DVB-T channels.
- » 2 x Common Interface slots
- » 2 x Transponders to either CAM and either multiplex
- » TS monitoring via Web interface
- » Web control and SNMP monitoring
- » Din rail mounting

TERRA



Headend Equipment

Matchmaster has a full range of Headend Equipment from entry level to complex systems, including engineering support and system designs. Matchmaster can offer simple Channel Filters with AGC through to complex DVB modules for any type of broadcast including Encoders, Modulators & Transmodulators for DVB-T, DVB-C, DVB-S/S2, IP, ASI, SDI, FM and many more.



14MM-TDX420C Specifications

Number of channels	2	
RF Input		
Frequency Range*	950-2150MHz	
LNB Powering/Control*	0/13/18 V & 500 mA max. DiSEqC 1.0, EN50607, EN50494	
Level/Impedance	45-85 dBμV/75Ω	
Loop Through Gain	-1 3 1 dB	
Standard*	DVB-S	DVB-S2**
Modulation	QPSK	QPSK, 8PSK, APSK 8/16/32
Symbol Rate	2 ÷ 45Ms/s	2 ÷ 45Ms/s
Code Rate	1/2, 2/3, 3/4, 5/6, 7/8	QPSK 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
Roll Off	35%	20%, 25%, 35%

RF Output	
Frequency Range*	170-230/470-860 MHz
Channel allocation	Adjacent
Level/Impedance	90 ± 2 dBμV/75 Ω
Spurious Level	< -60 dB
MER	≥38 dB
Modulation DVB-T*	QPSK, QAM16, QAM64
Channel Bandwidth*	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
Output Level Adjustment Range*	0 ÷ -15.0 dB by 1 dB step
Loop Through Frequency Range/Loss	47-862 MHz / ≤2.5 dB
Transport Stream Parameters	
Max. Bit Rate	Output 31670 kbps
Max. PID filter count	255 per transponder
Management Port	Standard IEE802.3 10 /100 Base T
Current Consumption**	12 V 550 mA
Operating Temperature Range	0° ± +50°C
Dimensions/Weight (packed)	48.5x198x112 mm/0.9 kg

* Software control

** Supports physical layer framing/signaling (PLS) and multiple input streams (MIS)

*** Without external DC feeding and CAM, with two CAM's ≈0.95 A