

Multi-Channel Twin AV to DVB-T Modulator 14MM-MDX420



For the Best

Features and Benefits

- » AT series family DVBT twin modulators totally agile and independent channels
- » Programmable twin modulators
- » Rack mountable system
- » Loop input and output with F connection



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.



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14MM-MDX420 Specifications

Video Input	Frequency Range	20Hz - 6MHz
	Level/Impedance	1 V ± 0.1 V/75Ohms
Audio Input	Frequency Range	20Hz - 15kHz
	Level/Impedance	775mV/10kOhms
	Level Adjustment	6 - -6dB (2dB step)
Processing Video	Encoding	ISO/IEC13818-2 MPEG-2 MP@ML
	Resolution	720 x 576 (at 25 fps), 720 x 480 (at 30 fps)
	Frame Rate	25 max. PAL, SECAM, 30 max. NTSC
	Compressed System Bit Rate	2-9 Mbps
Processing Audio	Encoding	ISO /IEC11172-3 (MPEG1 audio) layer 2 compliant
	Sampling Rate	44.1kHz
	Bit Rate	256Kbps
	Audio Mode	Stereo
Modulation	MER	≥35 dB
	Modulation	QPSK, QAM16, QAM64
	Channel Bandwidth	7/8MHz
	Guard Interval	1/4, 1/8, 1/16, 1/32
	Code Rate	1/2, 2/3, 3/4, 5/6, 7/8
	Transmission	2K
	Frequency Range	110 - 860MHz
RF Output	Level/Impedance	85 dBμV/75 Ohm
	Output C/N	≥50dB
	Output Level Adjustment	0 - -15.5dB by 0.5dB step
	Frequency Range of RF Combining	47-2150MHz
	DC Pass Through	0.3 A
	Combining Through Loss Terr/SAT	1.5/2.5dB
	Return Loss	≥10dB
	Current Consumption	12 V 0.65 A
Operating Temperature	0° - +50°C	