

SD ENCODER AND MODULATOR CVBS TO DVB-T DIGITAL RF 14MM-DM04

Technical Specifications

Encoding Section - Video	
Encoding	MPEG-2 MP@ML(4:2:0)
Interface	CVBS *1
Resolution	720x576_50i (PAL); 720x480_60i (NTSC)
Bit rate	1.000~19.500 Mbps
Encoding Section - Audio	
Encoding	MPEG1 Layer II
Interface	1*Stereo /mono
Sample rate	48KHz
Bit rate	64, 96, 128, 192, 256, 320, 384kbps
Modulator Section	
Standard	DVB-T COFDM
Bandwidth	6M, 7M, 8M
Constellation	QPSK, 16QAM, 64QAM
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard interval	1/32, 1/16, 1/8, 1/4
Transmission mode	2K
MER	≥42dB
RF frequency	30~960 MHz, 1KHz step
RF output level	-16~-36 dBm (73-93dBμV), 0.1 db step
System	
Management	Local control: LCD + control buttons
Language	English
LCN Insertion	Yes
Upgrade	JTAG or USB
General	
Power supply	DC 12V
Dimensions	153*110*50mm
Weight	< 1kg
Operation temperature	0~45°C



1. Grounding: to connect the earth cable
2. DC 12V: power input
3. CVBS: composited video input supporting NTSC and PAL
4. L/R channel: Stereo Left and Right audio channels
5. RF in: to combine input RF signal (10 dB attenuation)
6. RF out: to distribute modulated signal (30-960 MHz, 73-93dBμV)
7. Indicators
8. LCD Window
9. Control Buttons
10. USB port for video record, save and playback
11. JTAG port for upgrade

System Connection Chart

