

HDMI® to DVB-T HD Modulator MPEG2/H.264 with Optional IR Over Coaxial Kit 14MM-JM02



The JM02 is a commercial-grade, universal HDMI encoder modulator that supports user-selectable MPEG-2 or H.264 video encoding standards. The JM02 supports all standard input resolutions, ranging from 480i to 1080p60, and modulates to selectable DVB standards, including DVB-T/T2, DVB-C, DTMB, ATSC-C/T, and ISDB-T. The modulated source can be controlled via an IR kit (14MM-JM02-IR sold separately) to pass remote control IR signals over the coaxial cables from the extended displays.

Features and Benefits

- » HDMI® High Definition modulator supporting MPEG2/H.264 encoding standards with universal DVB output
- » Supports Video input resolutions 480i through to 1080p60.
- » Perfect for sharing your HDMI® source to all TVs in your home
- » Simple control via rotary push button controller with menu display screen
- » IR control kit compatible (sold separately) to allow remote control of sources over coaxial cables, 14MM-JM02-IR
- » RF output range 50-95dBQV with a typical 38dB MER



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HDMI Input	
Video Resolution	480i up to 1080p
Video Encoding	H264/AVC / MPEG-2
Audio Encoding	MPEG1 Layer II / AAC
Connector Type	HDMI Type A
RF Input	
Frequency	5-1218MHz
Loss to RF Output	2dB
RF Output (=RF Input Signal + HDMI Modulated Transponder)	
Modulated Channel Frequency	174-1000MHz
Output Level	OFF / 50 - 95dBQV
MER	Typ. 38dB
Configuration	
Basic Configuration	Country Output Type Output Frequency Output Level LCN Channel Name
Advanced Configuration	RF Video & Audio SID PMT, VPID, APID NIT, ONID PDS TS ID
Power & Dimensions, Etc...	
Power	Input Voltage: 12 VDC Consumption: 5 W Typ. (6 W max.) Jack Ø 2.1 mm
Dimensions	155 x 120 x 60 mm
Weight	0.6 kg
Accessories	12V power adapter

Output Settings							
Output Type	ISDB-T	DVB-T	DVB-T2	DVB-C	ATSC-T	ATSC-C	DTMB
Bitrate	2-23Mbps	2-31.5Mbps	2-40Mbps	2-50.5Mbps	2-19Mbps	2 - 26,5Mbps	2 - 32Mbps
Channel Bandwidth	6, 7 or 8MHz	6, 7 or 8MHz	6, 7 or 8MHz	2 or 8MHz	6MHz	6MHz	6-8MHz
Constellation	COFDM (QPSK/ 16QAM/ 64QAM)	COFDM (QPSK/ 16QAM/ 64QAM)	COFDM (QPSK/ 16QAM/ 64QAM)	16QAM 32QAM 64QAM 128QAM 256QAM	8VSB	64QAM	4QAM QAM-4NR 16QAM 32QAM 64QAM
Other Settings	Code rate, Guard Interval, 2K-8K	Code rate, Guard Interval, 2K-8K	Code rate, Guard Interval, 2K-8K	Code rate, Guard Interval, 2K-8K	Code rate, Guard Interval, 2K-8K	Code rate, Guard Interval, 2K-8K	Interleave Code rate, 2K-8K, Sync frame PN phase