

Product summary

DVB-T Modulator

Brief description

MOD1/1CEWD is a single-channel modulator, which sends HDMI audio video signal from any sources (satellite receivers, cameras, video players, etc.) to a DVB-T multiplex for viewing on a digital TV. The modulator can distribute HD content in the coaxial cable networks or used in antenna systems.

MOD1/1CEWD has two unique features: a Wi-Fi connection and an embedded web server. This means that now it is possible to change the device settings and control the modulator from anywhere via an Internet browser.

Main features:

- Low latency HD encoder with perfect picture and sound quality.
- Wi-Fi connection to control the device remotely.
- Adjustable output gain from -15 to +6 dB.
- DC pass antenna loop through input with amplifier for weak input signals.
- Colorful status led for quick visual monitoring.
- Easy to configure with user-friendly “Quick setup” feature.
- Fully aluminum housing with DIN rack or wall mount.
- Wide input voltage range (8 – 24 VDC)



Technical data

Parameter	Value
Video Input	HDMI 1.4 with HDCP support
Frequency range	VHF 174-230 MHz; UHF 470-862 MHz

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Output level	95 dBuV average (adjustable)
Output connector type	F-connector
Output impedance	75 ohm
Loop through input	F-connector
Loop through impedance	75 ohm
Loop through amplification	-4 / +10 dB
Modulation standard	DVB-T COFDM
Bandwidth	1 - 8 MHz
Constellation	64 QAM, 16 QAM, QPSK
Code rate	7/8, 5/6, 3/4, 2/3, 1/2
Guard Interval	1/32, 1/16, 1/8, 1/4
Transmission Mode	8 K, 4 K, 2 K
MER	>30 dB
Video encoding type	MPEG-4 AVC/H.264
Video resolution	1920x1080, 1600x1080, 1440x1080, 1440x960, 1280x1080, 1280x1024, 1280x720, 800x600, 720x576, 720x480, 640x480, 544x480
Video encoding bitrate	0.500 - 19.500 Mbps
Audio encoding type	MPEG1 Layer II, AAC
Audio encoding bitrate (Kbps)	384, 192, 128, 96
LCN Insertion	0 - 999
Wireless standard	802.11 b/g/n
Wireless frequency range	2.400 - 2.483GHz
Tx power	18dBm
Security protocol	WPA, WPA2
Wireless mode	access point, wireless client
System management interface	web GUI, LCD + control buttons
Interface language	English
Device status indication	LCD, colorful led
Firmware upgrade	automatically over the air (OTA), USB

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Time synchronization	ntp server
Power supply	9 VDC / 1 A
Power consumption	600 mA
Power input voltage range	8 - 24 V
Operating Temperature	-10C to +60C
Storage Temperature	-30C to +80C
Dimensions	132x150x42
Weight (w/o power supply)	250 g

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