

MOD404TC - 4× HDMI to RF Modulator Supporting COFDM (DVB-T) and QAM (DVB-C), 1080p60

Article No.: 300133



The TRIAX MOD404TC is a versatile quad HDMI modulator designed to distribute high-quality digital audio and video signals over existing coaxial cable networks. It supports up to four HDMI sources, including surveillance cameras, media players, satellite receivers, and computers.

The unit integrates H.264 encoding with selectable DVB-T (COFDM) or DVB-C (QAM) modulation, converting HDMI signals into RF output for reliable distribution to multiple receivers such as TVs or set-top boxes - even across long cable distances.

Key features:

- 4× HDMI Inputs
- **Dual Output Modulation: DVB-C / DVB-T (2-in-1 solution)**
- **Wide Video Resolution Support:**
 - o Input: 480i/p, 576i/p, 720p, 1080i/p
 - o **Output: Up to 1080p@50/60Hz**
- Output Frequency Range: DVB-T: 177-858 MHz, DVB-C: 105-858 MHz
- Efficient RF Distribution:
 - o **2 RF output channels for 4 HDMI sources** (2 HDMI sources per RF channel)
- Adjustable RF Output Level:
 - o 95 dBμV minimum
 - o 0-30 dB attenuator (1 dB step adjustment)
- **High Signal Quality: MER ≥ 35 dB**
- User-Friendly Control:
 - o Integrated LCD display and front-panel buttons
 - o Web-based control and firmware updates
- Compact & Rack-Mountable Design
- Preconfigured Default Settings for DVB-C and DVB-T





Technical specifications:

INPUT	
Input Channel	4
Input Connectors	HDMI
Video System	480i/p, 576i/p, 720p, 1080i/p
RF OUTPUT	
Type	1 F-type output ports for 2 carriers, 75 Ω
Frequency	DVB-T: 177 - 858 MHz, DVB-C: 105 - 858MHz
Output Level	95 dBuV Min.
RF Level Adjustment	0 ~ -30dB
Attenuation step	1dB per step
MER	35dB Min.
MODULATION	
Video Resolution	1080p 50/60 Max
Video Compression	H.264 High/Main profile
Video Bit Rate	12Mbps Max
Audio Compression	MPEG-2/AAC
Audio Bit Rate	192Kbit/s
Editable Field	Service Name, Service ID, LCN, NIT Version, TS ID, Network Name, Network ID, Original Net ID, Country
DVB-T	
Standard	DVB-T (ETSI EN 300 744)
Carrier (OFDM Mode)	2K,8K
Guard Intervals	1/4, 1/8, 1/16, 1/32
Code Rate (FEC)	1/2, 2/3, 3/4, 5/6, 7/8
Constellations	64QAM
Bandwidth	6MHz, 7MHz, 8MHz, 7-8MHz
DVB-C	
Standard	DVB-C (ETSI EN 300 429 V1.2.1)
Constellation	64QAM
Symbol rate	2.0 ~ 6.96 Mbs symbols
Bandwidth	7MHz, 8MHz
MANAGEMENT / CONTROL	
Configuration	6 Local keys on Upper cover
Web Management	RJ-45 Ethernet port
GENERAL	
Display	LCD panel @ 2 x 16 characters (on front panel)
Power Supply	AC 100~240V 50/60Hz
Consumption	17 W
Languages	English
Dimensions	19"x12.5"x1.75"
Weight	2.2kg