

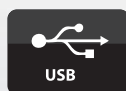
DiMod

CONVERTS ANY HDMI SIGNAL INTO A DTT CHANNEL



HD - DVB-T/DVB-C ENCODER/MODULATOR (REF. 585401)

- Easy installation
- HDMI digital input
- USB input
- LCN mode selection
- High-quality encoding
- Wi-Fi configurable
- Energy efficiency and low power consumption



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DESCRIPTION

This device transforms the digital audio and video signal (HDMI) from an external source (satellite receiver, Smart TV receiver, etc.) into a DVB-T or a DVB-C digital television channel.

It is equipped with an HDMI input and allows various configuration parameters to be modified:

- The input format (Codec, Bitrate, output maximum resolution, etc.)
- The transport stream configuration (Created channel Name, LCN, etc.)
- The output channel configuration (Channel selection, power level, modulation type, etc)

The best encoding quality is guaranteed thanks to the **VBR** (*Variable Bit Rate*).

The device is configured using the web interface embedded in the module itself, via **Wi-Fi**.

The channel generated from the HDMI source can be mixed with the DTT/QAM signal; it can all be distributed over a single coaxial cable and the contents displayed on any of the receiver devices in the installation.

HIGHLIGHTS

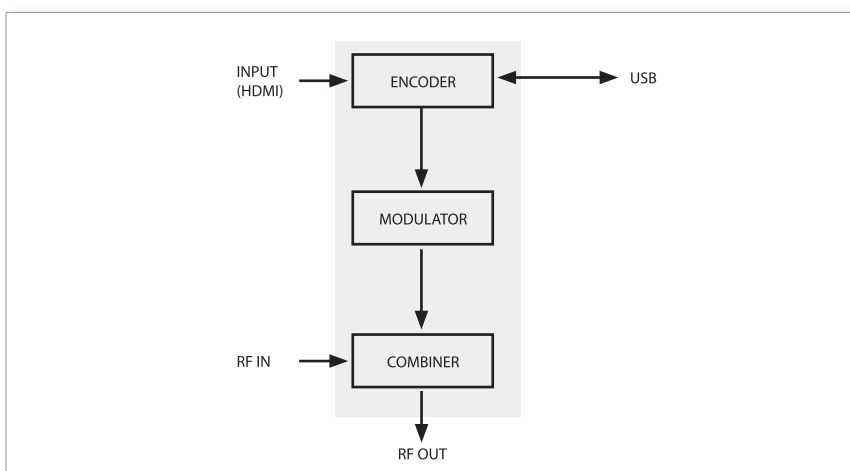
- Audio/video digital input (**HDMI**)
- **Perfect image and audio synchronization**
- **High-quality** encoding
- Equipment status LEDs
- Intuitive interface and easy programming
- Energy efficiency and low consumption



MAIN FEATURES

- HDMI digital input
- MPEG-2 or MPEG-4 (H.264) format video encoding
- Automatic detection of the input resolution
- Over 35 dB MER (*Modulation Error Rate*)
- Compatibility with multiple resolutions (up to 1080 p @ 60 fps)
- Uses VBR (*Variable Bit Rate*), from 2 Mbps to 50 Mb for video, and from 96 kb to 384 kb for audio
- Signal mixer included (loop input)
- Configuration via Wi-Fi (smartphone, tablet, computer...)
- Web-based monitoring and control via Wi-Fi
- Video loop playback via USB port (.TS format)
- Firmware update via USB

BLOCK DIAGRAM



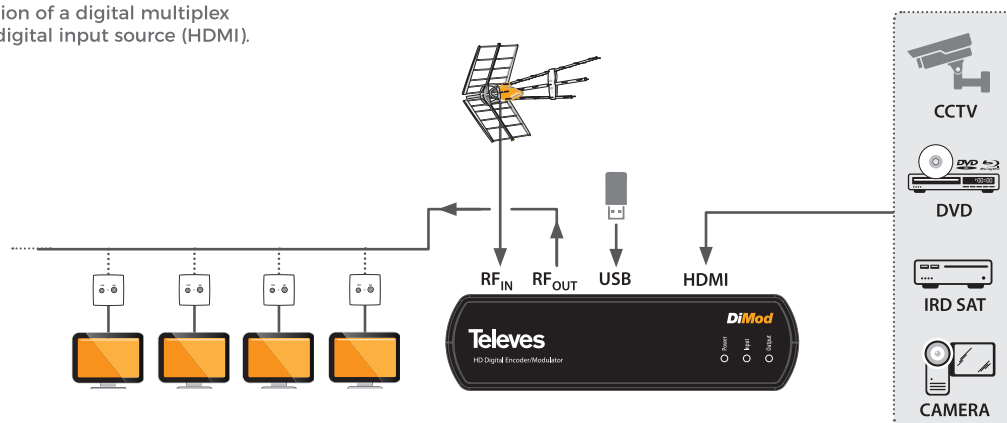
REF.	Item No.	DESCRIPTION	EAN 13
585401	HQAC	DIMOD ENCOD./MODUL.DVB-T/DVB-C 1E HDMI+USB	8424450190364

CONVERTS ANY A/V SIGNAL (HDMI) INTO YET ANOTHER DTT CHANNEL



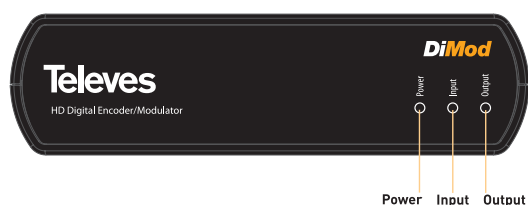
APPLICATION EXAMPLE

Generation of a digital multiplex from a digital input source (HDMI).



DESCRIPTION

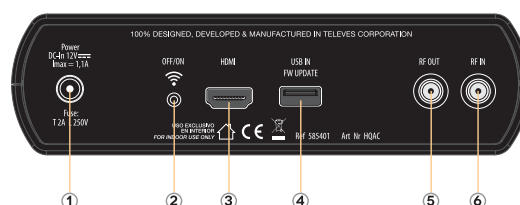
FRONT VIEW



Status indicators

LED	Power	Input	Output
● Green	Correct operation	Input connected	Correct operation
● Orange	High temperature		
● Red	Overheating	Input disconnected	Output overflow
☀ Flickering	WiFi enabled	Check manual	Check manual

REAR VIEW



1. Connector for 12-V power supply (provided)
2. Push-button for WiFi activation/deactivation (configuration only; shuts down after 30 minutes in idle state)
3. HDMI input
4. USB input (FW update and video reproduction)
5. RF Output
6. RF input (loop)

HD - DVB-T/DVB-C ENCODER/MODULATOR

TECHNICAL SPECIFICATIONS

DIMOD (REF. 585401)			
ENCODER			
Video	Encoding		MPEG2, H264 Auto, H264-High, H264 4.2, H264 5.0 or H264 5.1
	Interface		1 x HDMI
	Output resolution		Auto (no resizing), 1080p HR (resizing 1080p 50/60 to 1080p 25/30), 1080i, 720p, 576p, 576i, 480p, 480i
	Bit rate	Mbps	2...50
Audio	Interface		1 x HDMI
	Sample rate	kHz	44.1 or 48
	Bit rate	kbps	96 ... 384
MODULATOR			
Standard		DVB-T and DVB-C	
Frequency range		MHz	46 ... 862
Frequency steps		kHz	125, 166 or 250
RF output level		dBµV	60 ... 80
RF loop		MHz	5 ... 900
USB			
File system		FAT 32 - High Speed 2.0 (*)	
Recommended memory		GB	32 (USB device)
Video playback		“video.ts” file only (in the USB root)	
SYSTEM			
Management		Wi-Fi 802.11 b/g interface	
FW update		USB	
GENERAL			
Power supply		12 V _{DC}	
Power consumption		A	< 1.1 (**)
Dimensions		mm	165 x 129 x 45
Weight		g	500
Operating temperature		°C	0 ... 30
NETWORK ADAPTER			
Input voltage.		V	100 - 240 (50/60 Hz)
Input current		A	0.6
Output voltage		12 V _{DC}	
Dimensions		mm	100 x 48 x 67
Weight		g	160

(*) Teledes does not guarantee 100% compatibility with all USB devices; using high-quality USB devices is recommended.

(**) For 1080p H264 5.1 encoding, non-resizing input/output.

PACKAGE CONTENTS

- HDMI-COFDM modulator
- 12 V - 1.5A power supply
- User manual

RECOMMENDATIONS

Mounting accessory for wall installation

Support (Ref. 640301)

