

SINGLE ENCODER/MODULATOR

Input: CVBS / YPbPr / HDMI Output: DVB-T (COFDM) / DVB-C (QAM Annex A) REF.566001



Generate High Definition DTT channels

• Real HD: original source not downscaled • Configurable DVB-T or DVB-C output • Energy efficient due to its low power consumption • Perfect synchronisation between audio & video







LOW CONSUMPTION



H.264 STANDARD





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ENCODER / MODULATOR HDTV TO DVB-T / DVB-C

DESCRIPTION

The single enconder/modulator ref. 566001 generates a digital multiplex from one audio/video source.

The input source may come from three different formats: composite CVBS, YPbPr video and HDMI.

The main parametres of the output signal can be configured: the video codecs, the LCN or the mode of the output modulation.

The digital multiplex can be also configured either as DVB-T (DTT channel) or as DVB-C (QAM Annex A) to use in cable TV operator networks (CATV) in Annex A QAM format.

The configuration is carried out through a web interface built into the module, or alternatively through the universal remote control (Ref. 7234).

A power supply and a wall bracket, which enables you to wall mount the module in the absence of a rack, are also included in the kit



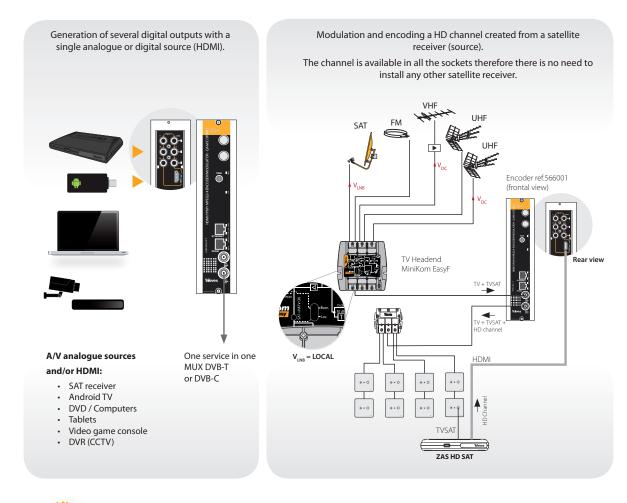
- Compatible with many formats, resolutions and TV screen dimensions.
- Three different input formats: (HDMI, CVBS and YPbPr).
- Output video encoding: MPEG-2 or MPEG-4 (H.264).
- Output modulation COFDM or QAM.
- Integrated input RF loop through.
- High quality output MER>40dB.
- Two alternative installations: rack or wall (accessories included in the kit)

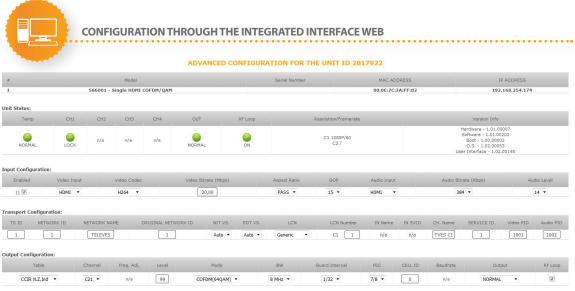
REF.	DESCRIPTION	EAN 13
566001	T.OX ENCODER SING. HDMI-COFDM/QAM + 18V PSU	8424450180723

HIGHLIGHTS

- Perfect synchronisation between audio and video
- Configurable through a web interface
- High output level with no need for extra amplification
- Multi-standard output format
- Monitorisation of the device and the signal through LEDs on the unit
- Energy efficient due to its low power consumption







NOTE: The IP address of the modulator and the computer must belong to the same network in order to have communication between them through the ethernet port.

To do so, copy the first three octets of the modulator's IP address and use it to create the IP address of your computer; the forth octet should be different. For example if the modulator has the IP 172.020.022.201, the IP of your computer should look like 172.020.022.100.

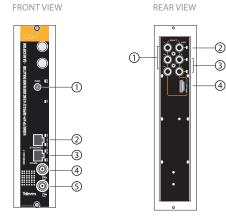


ENCODER/MODULATOR

	ENCOD	EN/IVIOL	JULATUR
INPUT			
Video			3 x RCA (Y, Pb, Pr)
			1 x RCA (CVBS)
Audio	Jr.		2 x RCA (L, R)
Video + A			1 x HDMI
VIDEO ENCODER Output format			MPEG-2 / H264
Output ic	milat		
Resolution			480i, 480p, 576i, 576p, 720p, 1080i & 1080p Input resolution Auto-scan ⁽¹⁾
Aspect ratio		4:3, 16:9 & pass through	
GOP			10, 12, 15, 16, 18, 20, 24 ó 30
AUDIO EI	NCODER		
Output format		Dolby Digital AC-3 (only Digital Loop) or MPEG1 Layer2 (analogue input or HDMI PCM)	
Sampling		kHz	48
OUTPUT Frequence		MHz	46862
	n output level	dBµV	115 (103 with active loop-through)
MER	. oatpat ievei	dB	>40
Spurious		dBc	-60
	Modulation		16, 32, 64, 128, 256
	BaudRate	Mbaud	6.9
OAM	Roll-off	%	15
Q/tivi	Code		Reed Solomon
	Spectrum mode		Normal / Inverted
	Frequency steps	kHz	250
	Modulation		QPSK, 16QAM, 64QAM
	Guard interval	μS	1/4, 1/8, 1/16, 1/32
COFDM	FEC		1/2, 2/3, 3/4, 5/6, 7/8
COLDINI	Bandwidth	MHz	6, 7, 8
	Cell_id		Editable
	Frequency steps	kHz	125 / 166
	Transport Stream ID		Editable
	Original Network ID		Editable
	Network ID		Editable
	LCN		Editable
	NIT		Manual / Automatic
PSI	SDT		Manual / Automatic
	Tipo LCN		Generic / UK / NorDig V1 / NorDig V2
	Network Name		Editable
	Service PID		Editable
	Service Name		Editable
	Service ID		Editable
GENERAL			
Voltage		Vdc	12 24
Consumption		W	<16
Protection Index Working temperature		IP °C / °F	20
Working temperature Dimensions (W x H x D)		mm	0 45 / 32 113 50 x 216 x 180
,		in.	1,97 x 8,50 x 7,09
Weight		gr.	1050

REF.566001

DESCRIPTION



- Power supply connection Ethernet connection
- Programmer connection Input RF loop through
- RF Output
- YPbPr video inputs CVBS composite video inputs Analogue audio input (L/R) HDMI input

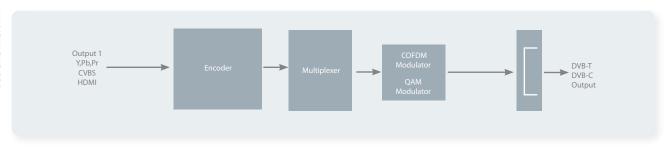
KIT COMPONENTS Encoder modulator Power supply (Ref. 562801) Wall bracket (Ref. 567401) Connection accessories



POWER SUPPLY

Input voltage	V~	99 - 254
Frequency	Hz	50 - 60
Output voltage	Vdc	18
Max. Output current	Α	1.25

 $^{\mbox{\tiny (1)}}$ The output resolution is the same as the input resolution (signal source)



JUNE 2016

