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## Modulator Encoder

DVBT or DVBC (QAM Annex A) / ITUJ83  
(QAM Annex B)

### Generate your own DTT content in High Definition

Home devices that provide a multi-channel bundle from the signal provided by an Audio/Video source.

<b>Ref.566001</b>	1 HDMI input
<b>Art.Nr</b>	UHDMI-QAC-S
<b>EAN13</b>	8424450180723

## Highlights

- Perfect image and audio synchronization
- Compatible with multiple formats, resolutions, and TV set sizes
- Editing of all the modulation and encoding parameters
- Configurable via web interface or PCT5.0 programmer
- High output power without the need for extra amplification
- Multi-standard output format
- Excellent output quality (MER>40 dB)
- Device monitoring and signal status LED diodes
- Energy-efficient thanks to their low power consumption
- Integrated RF combiner and Ethernet switch
- Remote firmware update
- Configuration via a web interface embedded in the encoder

## Main features

- Individual-rack mounting (accessories for independent installation are provided)

## Technical specifications

		References	566001	566011	
INPUTS	VIDEO	Connectors	3 x RCA (Y, Pb, Pr) 2 grupos 1 x RCA (CVBS)	2 juegos 1 x RCA (CVBS)	
	AUDIO	Connectors	2 x RCA (L,R)	2 juegos 2 x RCA (L,R)	
	VIDEO + AUDIO	Connectors	1 x HDMI	-	
ENCODING PROFILE	VIDEO	Output Format	MPEG-2 / H264		
		Input Resolution	480i, 480p, 576i, 576p, 720p, 1080i & 1080p Supports auto-scan for input resolution	480i & 576i Supports auto-scan for input resolution	
		Input Framerate	-	50Hz, 60Hz	
		Output Resolution	-	Same as input (Auto)	
		Output Aspect Ratio	4:3, 16:9 y pass through		
		GOP	10, 12, 15, 16, 18, 20, 24 ó 30		
		Output Transport rate	Variable		
	Output Video bit rate	Variable			
	AUDIO	Output Format	Dolby Digital AC-3 (only digital passthrough) or MPEG1 Layer2 (analog input or HDMI uncompressed PCM audio)		MPEG1 Layer 2
		Output Sampling rate	kHz	48	
Output bitrate			-	Variable	
OUTPUT	RF	Connectors	1x "F" Female		
		Frequency Range	MHz	48...862	
		Max output level	dBµV	+115 (+103 with loop-through)	
		MER	dB	>40	
		Spurious	dBc	-60	
		Impedance	Ω	75	
		I/Q Phase Error	°	<1	
	I/Q Amplitude Imbalance	%	<1		
	QAM	Modulation format		16, 32, 64, 128, 256	
		BaudRate	Mbaud	6,9	1...7,2
		Roll-off	%	15	
		Code		Reed Solomon	
		Spectrum Mode		-	Normal / Inverted
COFDM	Frequency Step	kHz	250		
	Modulation format		QPSK, 16QAM, 64QAM		
	Guard Interval	µS	1/4, 1/8, 1/16, 1/32		
	FEC		1/2, 2/3, 3/4, 5/6, 7/8		
	Bandwidth	MHz	6, 7, 8		
	Cell_id		Editable		
Frequency Step	KHz	125 / 166			

<b>PSI PARAMETERS</b>	Transport Stream ID	Editable		
	Original Network ID	Editable		
	Network ID	Editable		
	LCN	Editable		
	NIT	Manual / Automatic		
	SDT	Manual / Automatic		
	Type LCN	Generic / UK / NorDig V1 / NorDig V2		
	Network Name	Editable		
	Service PID	Editable		
	Service Name	Editable		
	Service ID	Editable		
<b>MONITORING / CONTROL</b>	Local control	Full configuration with LCD handheld programmer		
	Local monitoring	LOOP status LED		
		OUTPUT status LED		
		TEMP status LED		
		CH1 status LED	CH1/CH2 status LED	
		Ethernet status LEDs		
Remote monitoring	Centralized web based remote control, management, alarms, and software upgrades			
<b>GENERAL</b>	Power supply	Vdc	24	12...24
	Power disipation	W	<14	<12
	Protection index	IP	20	
	Operating Temperature	°F/°C	32 a 113 / 0 a 45	