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IP Modulator Encoder

A/V - IP or IP - DVBT/DVBC (QAM Annex A)

Two modules in one

Device with two operation modes: as an AV - IP / RF Encoder converting Audio/Video signals into an IP stream and multiple RF signals (DVB-T or DVB-C), or as an AV/IP - RF Encoder converting Audio/Video signals and IP streaming services into one multiple RF channel (DVB-T or DVB-C).

Ref.563852

Art.Nr

UIPHDMI-QAC-T

EAN13

8424450180204

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
- Automatic and remote firmware update
- Configuration via a web interface embedded in the encoder

Main features

- Multiple input signal types: HDMI, CVBS, YPbPr, SPDIF audio (ref.563832), etc.
- HDCP (High-bandwidth Digital Content Protection) function, which can be disabled by the owner with the content provider's authorization

Technical specifications

INPUT			
Video		2 sets 3 x RCA (Y, Pb, Pr) 2 sets 1 x RCA (CVBS)	
Audio		2 sets 2 x RCA (L, R) 2 sets 1 x RCA (Digital) 2 sets 1 x Toslink (Optical)	
Video + Audio		2 sets 1 x HDMI	
IP Multicast		2 ports RJ45 switch Gbe SPTS or MPTS (UDP/RTP)	
VIDEO ENCODER			
Output format		MPEG-2 / H264	
Resolution		480i, 480p, 576i, 576p, 720p, 1080i & 1080p Auto-scan of input resolution (1)	
Aspect ratio		4:3, 16:9 y pass through	
GOP		10, 12, 15, 16, 18, 20, 24 ó 30	
AUDIO ENCODER			
Output format		Dolby Digital AC-3 only Digital Loop) or MPEG1 Layer2 (analogue input HDMI PCM)	
Sampling rate	kHz	48	
Output			
Frequency bands	MHz	46...862	
Maximum output level	dBµV / dBmV	115/55 (103/43 with active loop-through)	
MER	dB	>40	
Spurious	dBc	-60	
Annex A QAM	Modulation		16, 32, 64, 128, 256
	BaudRate	Mbaud	6,9
	Roll-off	%	15
	Code		Reed Solomon
	Spectrum mode		Normal / Inverted
	Frequency steps	kHz	250
COFDM	Modulation		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		Yes
	Frequency steps	kHz	125 / 166
IP	Transport Stream SP/MP		2 SPTS IP multicast outputs (UDP ó RTP) / 1 MPTS output

PSI	Transport Stream ID		Editable
	Original Network ID		Editable
	Network ID		Editable
	LCN		Editable
	NIT		Editable
	SDT		Editable
	Tipo LCN		Generic / UK / NorDig V1 / NorDig V2
	Network Name		Editable
	Service PID		Editable
	Service Name		Editable
Service ID		Editable	
General			
Voltage	Vdc		24
Consumption	W	<20,4	
Protection index	IP		20

(1) The output resolution is the same as the input signal source.