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IP Modulator Encoder A/V - IP or IP - QAM (Annexes A and B)

Two modules in one

Encoder/Modulator equipped with 2 inputs - HDMI and component video - and with two modes of operation: as an AV - IP / RF Encoder converting Audio/Video signals into an IP stream and multiple RF signals (DVB-C), and as an AV/IP-RF Encoder converting Audio/Video signals and IP streaming services into one multiple RF channel (DVB-C).

They support Dolby® Digital audio and include the Closed Captioning service, as well as an optional EAS interface with ASI input and output

Ref.563805

Art.Nr

EAN13

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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

- Multiple input signal types: HDMI, YPbPr, and SPDif audio

- Up to 1080p MPEG-2 and H.264 coding
- Real-time Dolby® Digital audio encoding
- Optional EAS interface with L/R composite video and audio
- Integrated ASI Input/Output for an easy management of the EAS signal

Technical specifications

INPUT			
Video	Connectors		2 sets - 3 x RCA (Y, Pb, Pr)
Audio	Connectors		2 sets - 2 x RCA for Analog Audio (L, R) 2 sets - 1 x RCA for Digital Audio 2 sets - 1 x Toslink for Digital Audio (Optical)
Video + Audio	Connectors		2 sets - 1 x HDMI
Closed Captioning	Connectors		2 sets - 1 x HDMI
ASI	Connectors		1x BNC
	Format		DVB-ASI
	Standard		ETSI EN 50083-9
IP	Connectors		2x RJ45 (Switch Gigabit)
	Format		SPTS or MPTS (UDP/RTP)
ENCODING PROFILE			
Video	Output format		MPEG-2 / H.264(4.0, 4.1, 4.2, 5.1, 5.2)
	Input Resolution		480i, 480p, 576i, 576p, 720p, 1080i &1080p Supports auto-scan for input resolution (1)
	Input Framerate		50Hz, 60Hz (all input Resolutions), 24Hz (only 1080p Input Resolution)
	Output Resolution		Same as input (Auto) or maximum selected output resolution
	Output Aspect Ratio		4:3, 16:9, and pass through
	Output GOP		10, 12, 15, 16, 18, 20, 24 or 30
Audio	Output format		Dolby® Digital AC-3 or MPEG1 Layer 2
	Output Sampling rate	kHz	48, 44.1
	Output bitrate		Variable
Closed captioning	Format		EIA-608, EIA-708
OUTPUT			
QAM	Connectors		1x "F" Female
	Modulation standards		ITU-A: 16, 32, 64, 128, 256, 512, 1024 QAM
			ITU-B: 64, 256 QAM
	Frecuency Range	MHz	5 - 1002 (supports return path applications)
	Channel plans		CATV STD, T_CHANNELS, Broadcast, Frequency
	Max output level	dBmV	+55 (+43 with loop-through)
	MER	dB	>40 (typ)
Spurious	dBc	-60	
ASI	Connectors		1x BNC
	Format		DVB-ASI
IP	Connectors		2x RJ45 (Switch Gigabit)
	Format		SPTS or MPTS (UDP/RTP)
PSI			
Transport Stream ID			Editable
Original Network ID			Editable
Network ID			Editable
Virtual Channel Number			Editable
NIT Version			Manual / Automatic

SDT Version		Manual / Automatic	
Network Name		Editable	
Service PID		Editable	
Service Name		Editable	
Service ID		Editable	
GENERAL			
Power supply	Vdc	24	
Consumption	W	<20,4	
Operating temperature	°F / °C	32 to 95 / 0 to 35	

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