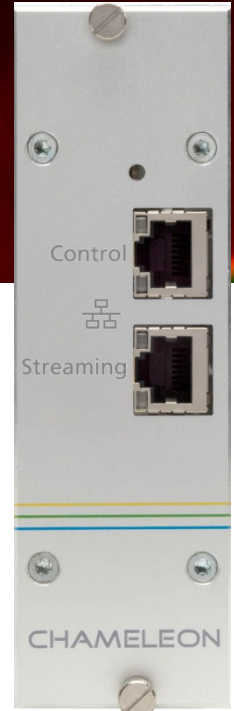




CHAMELEON ENCODER



CHAMELEON GNHWENC - MPEG ENCODER

The CHAMELEON ENCODER adds the feature of MPEG encoding to the CHAMELEON product line. With the same form factor as the CHAMELEON modules, the CHAMELEON ENCODER can be used in any CHAMELEON base unit. The CHAMELEON ENCODER allows you to add services available in audio/video format or in SDI/HD-SDI format to your digital network.

- Encoding of 1 HD-SDI or 2 SD-SDI / analogue video signals
- 2 x analogue/digital video input
- 2 x analogue stereo audio input
- Gigabit Ethernet input/output for MPTS and SPTS signals
- Output: MPEG over UDP/IP MPTS/SPTS
- Control and management via web UI



ENCODER

SD-SDI input		MPEG encoder – Audio / Video	
Number of ports	2 BNC ports	Video system	MPEG4 HD/SD, H.264 AVC, HiP, level 4.0
Input video	SDI, audio embedded	Picture size	1080i50, 720p50 (MPEG4 HD), 576i50 (MPEG-4 SD)
Input audio	Stereo / Mono / Dual Sound	Aspect ratio	4:3, 16:9
Input impedance	75 Ω	Bit rate	1 – 16 Mbit/s (up to 24 Mbit/s in peaks)
Compliance HD-SDI	SMPTE 259M-C-270C, SMPTE 272M	Audio system	MPEG-1 L1/L2 (ISO 11173-3)
Connectors	BNC: SDI/Video in 1, SDI/Video in 2	Number of audio channels	2 per video input
HD-SDI input		Sampling frequency	48 kHz
Number of ports	1 BNC port	Bit rate	max. 384 kbit/s (MPEG1 L1/L2)
Input video	HD-SDI, audio embedded	Audio system	MPEG-1 L1/L2 (ISO 11173-3)
Input audio	Stereo / Mono / Dual Sound	Audio modes	stereo, joint stereo, dual , mono
Input impedance	75 Ω	Teletext	extraction from analogue video signal
Compliance HD-SDI	SMPTE 292M, SMPTE 299M	Control and Management	
Connector	BNC: SDI/Video in 1	Graphical User Interface	
Analogue video input		Control connectors	RJ45 (10/100) & SGMII (backplane for GN50)
Number of ports	2 BNC ports	Connectors and Interfaces	
Input format	Composite FBAS-signal	Signalling	3 LED (green/yellow/red)
Input impedance	75 Ω	SDI/Video input	BNC-connector, 75 Ω
Input level	1 V _{ss} (± 0,4 V)	Analogue audio input	3,5mm jack socket
Input frequency range	20 Hz to 5 MHz	ASI out connector	F female, 75 Ω
Frequency response	≤ ± 2 dB (20 Hz to 4 MHz)	GigE/Control/Power (backplane)	CompactPCI Typ C (SGMII)
Connectors	BNC: SDI/Video in 1, SDI/Video in 2	GigE streaming (front)	RJ45
Analogue audio input		Control connectors	RJ45 (10/100) & SGMII (backplane for GN50)
Number of ports	2 x 3,5 mm jack ports	Miscellaneous	
Input format	Left, Right asymmetrical	Power supply	12 VDC nom. (9-14 VDC)
Input impedance	600 Ω / 15 kΩ (switchable)	Power consumption	< 30W, typ. 20W
Input level	- 4 dBm / (500 mV _{eff})	Dimensions	230x105x40 mm (excl. connectors)
Input level range	- 18 dB to + 18 dB	Weight	Approx. 600 g
Input frequency range	40 Hz to 15 kHz	Controller	Embedded web server, SNMP
IP TS output		Op. temperature	5°C to 45°C
Output bit rate	Max 40 Mbit/s	Nominal temp. range	15°C to 35°C
Connector	RJ45 GigE & SGMII GigE		
Output protocol	UDP/RTP Multicast/Unicast		
IP TS output format	CBR/VBR		
IP TS output capacity	Max 1 TS (MPTS or SPTS)		
ASI TS output			
Output bit rate	Max 40 Mbit/s		
Number of ports	1 F connector port		
Packet Size	188 byte		



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Specification may be subject to change without notice.