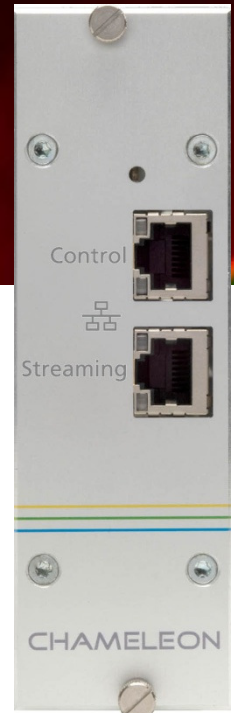




CHAMELEON ENCODER



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

Number of ports	2 BNC ports
Input video	SDI, audio embedded
Input audio	Stereo / Mono / Dual Sound
Input impedance	75 Ω
Compliance HD-SDI	SMPTE 259M-C-270C, SMPTE 272M
Connectors	BNC: SDI/Video in 1, SDI/Video in 2

HD-SDI input

Number of ports	1 BNC port
Input video	HD-SDI, audio embedded
Input audio	Stereo / Mono / Dual Sound
Input impedance	75 Ω
Compliance HD-SDI	SMPTE 292M, SMPTE 299M
Connector	BNC: SDI/Video in 1

Analogue video input

Number of ports	2 BNC ports
Input format	Composite FBAS-signal
Input impedance	75 Ω
Input level	1 V _{ss} (± 0,4 V)
Input frequency range	20 Hz to 5 MHz
Frequency response	≤ ± 2 dB (20 Hz to 4 MHz)
Connectors	BNC: SDI/Video in 1, SDI/Video in 2

Analogue audio input

Number of ports	2 x 3,5 mm jack ports
Input format	Left, Right asymmetrical
Input impedance	600 Ω / 15 kΩ (switchable)
Input level	- 4 dBm / (500 mV _{eff})
Input level range	- 18 dB to + 18 dB
Input frequency range	40 Hz to 15 kHz

IP TS output

Output bit rate	Max 40 Mbit/s
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

MPEG encoder – Audio / Video

Video system	MPEG4 HD/SD, H.264 AVC, HiP, level 4.0
Picture size	1080i50, 720p50 (MPEG4 HD), 576i50 (MPEG-4 SD)
Aspect ratio	4:3, 16:9
Bit rate	1 – 16 Mbit/s (up to 24 Mbit/s in peaks)
Audio system	MPEG-1 L1/L2 (ISO 11173-3)
Number of audio channels	2 per video input
Sampling frequency	48 kHz
Bit rate	max. 384 kbit/s (MPEG1 L1/L2)
Audio system	MPEG-1 L1/L2 (ISO 11173-3)
Audio modes	stereo, joint stereo, dual, mono
Teletext	extraction from analogue video signal

Control and Management

Graphical User Interface	
Control connectors	RJ45 (10/100) & SGMII (backplane for GN50)

Connectors and Interfaces

Signalling	3 LED (green/yellow/red)
SDI/Video input	BNC-connector, 75 Ω
Analogue audio input	3,5mm jack socket
ASI out connector	F female, 75 Ω
GigE/Control/Power (backplane)	CompactPCI Typ C (SGMII)
GigE streaming (front)	RJ45
Control connectors	RJ45 (10/100) & SGMII (backplane for GN50)

Miscellaneous

Power supply	12 VDC nom. (9-14 VDC)
Power consumption	< 30W, typ. 20W
Dimensions	230x105x40 mm (excl. connectors)
Weight	Approx. 600 g
Controller	Embedded web server, SNMP
Op. temperature	5°C to 45°C
Nominal temp. range	15°C to 35°C



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Specification may be subject to change without notice.