

WISI GNHWENCW

Chameleon HD/SD encoder with HDMI



Description

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, in SDI/HD-SDI format or in HDMI format to your digital network.

At a glance:

- Encoding of 1 HD-SDI or 1 HDMI signal
- Encoding of 2 SDI or analogue signals
- Gigabit Ethernet output
- Output: MPEG-4 over UDP/IP or ASI
- Control and management via web UI

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Technical data

SD-SDI input

Number of ports	2 pcs. (BNC connector)
Video input	SDI, Audio embedded
Audio input	Stereo, joint stereo, dual, mono
Input format SDI	576i50, 480i60
Impedance	75 Ω
Compliance	SMPTE 259M-C-270C, SMPTE 272M

HD-SDI Input

Number of ports	1 pcs. (BNC port, hard wired to BNC port 1)
Video input	HD-SDI, Audio imbedded
Audio input	Stereo, joint stereo, dual, mono
Input format HD-SDI	1080i50, 1080i60, 720p50, 720p60
Impedance	75 Ω
Compliance	HD-SDI SMPTE 292M, SMPTE 299M
BNC-socket	1 pcs. (HD-SDI video)

HDMI input

HDMI number of ports	1 pcs. (HDMI)
Input format HDMI	1080i50, 720p50, 576i50
compliance HDMI	HDMI 1.4a (no scaling)

Analogue video input

Number of ports	2 pcs. (BNC connector)
Input format	CBVS (Composite FBAS-signal) PAL (B/G, D/K, H, I, M, N), NTSC, SECAM
Impedance	75 Ω
Input level	1 Vss (± 0,4 V)
Input frequency range	20 Hz ... 5 MHz
Frequency response	≤ ±2 dB (20 Hz...4 MHz)

Analog audio input

Number of ports	2 pcs. 3,5 mm jack ports (Audio in 1 and Audio in 2)
Input format	Left, Right asymmetrical
Impedance	600 Ω/15 kΩ (switchable)
RF input level	-4 dBm (500 mVeff)
Input level range	-18...+18 dBμV
Input frequency range	40 Hz...15 kHz

IP TS Output

Output bitrate	50 Mbit (max.)
Connector	GN50: SGMII GigE, GN40: RJ45 GigE
Output protocol	UDP/RTP Multicast/Unicast
IPTV TS Output format	CBR/VBR (MPTS or SPTS)
IP TS Output capacity	max. 2 TS

TS Processing

Multiplexing	ISO 13818-1 (MPEG-2 TS)
PID setting	Automatic
PSI/SI setting	Automatic creation of PAT, PMT, SDT

ASI TS output

Number of ports	1 pcs. (F connector)
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Technical data

Paket size	188 byte
Output power	dBm 1 TS (MPTS or SPTS)

MPEG Decoder – Audio / Video

Video system	ISO/IEC 14496-10 (H.264/AVC) High Profile, level 4.0
Picture size	1080i 50, 720p 50 (MPEG-4 HD), 576i 50 (MPEG-4 SD)
Aspect ratio	16:9 for HD; 4:3 for SD
Bit rate	1...16 Mbps (up to 24 Mbit/s in peaks)
Audio-system	ISO 11173-3 (MPEG-1 L2), Dolby Digital AC3, MPEG-2 AAC (LC(HE))
Number of audio channels	2 per video input
Sampling frequency	48 kHz
Bit rate	384/448 Kbps (max. MPEG1 L2/ AC3, AAC)
Audio modes	Stereo

Connectors

Display	2 LED (green/red)
SDI/video input	BNC-socket
HDMI input	Type A connector
Analog audio input	3,5 mm jack socket
ASI output connector	F female, 75 Ω
GigE/Control/Power supply (Backplane)	CompactPCI Type C (SGMII)
GigE / Control for GN40	2 x RJ45 GigE, 1 streaming, 1 management

General data

Operating voltage DC	12 V DC nom. (9...14 VDC)
Power consumption	15 W (typ.)
Dimensions (width x height x depth)	230 x 105 x 40 mm (without connectors)
Weight	0,64 kg approx.
Integrated control	embedded web server
Operating temperature range	+5...+45 °C

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	290 x 165 x 50 mm
Packaging volume sales unit	dm³
Gross weight sales unit	0.745 kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	2.4 dm³
Gross weight shipping unit	0.745 kg
EAN	4010056734558
Article number	73455
Customs tariff number	85437090