

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

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

BNC-socket	pcs. 2x SDI-Video
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HD-SDI Input

Number of ports	1pcs. 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
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Technical data

Compliance	HD-SDI SMPTE 292M, SMPTE 299M
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BNC-socket	1 pcs. HD-SDI video
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HDMI input

HDMI number of ports	1 x 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, H, I, M, N), NTSC, SECAM

Impedance	75 Ω
Input level	1 V _{ss} ($\pm$ 0,4 V)
Input frequency range	MHz 20 Hz ... 5 MHz
Frequency response	$\leq \pm 2$ dB (20 Hz...4 MHz)

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Technical data	
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 k Ω (switchable)
RF input level	-4 dBm (500 mVeff)
Input level range	-18...+18 dB μ V
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)
Paket size	188 byte
output capacity	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
Control and monitoring	
Graphical user interface	
Control ports	RJ45 (GigE); SGMII (Backplane for GN50)
General data	
Connectors	
Display	2 LED (green/red)
SDI/Video input	BNC-socket
HDMI input	Type A connector
Analogue audio input	3,5 mm jack socket

Technical data	
ASI output connector	F-socket
GigE/Control/Power supply (Backplane)	CompactPCI Type C (SGMII)
Operating voltage DC	12 V DC nom. (9...14 VDC)
Power consumption	15 W (typ.)
Dimensions (width x height x depth)	230x105x40 mm (without connectors)
Weight	0,64 kg
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
Gross weight sales unit	0.745 kg
Packaging volume shipping package	2.4 dm ³
Gross weight shipping unit	0.745 kg
EAN	4010056734558
Article number	73455
Customs tariff number	8543709000