

WISI GNHWENCW

Chameleon HD/SD Encoder



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

At a glance:

- 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 output for MPTS and SPTS signals
- Output: MPEG-4 over UDP/IP MPTS/SPTS
- Control and management via web UI

Technical data	
SD-SDI input	
	pcs.
Video input	SDI, Audio embedded
Audio input	Stereo, joint stereo, dual, mono
Impedance	75 Ω
Compliance	SMPTE 256M-C-270C, SMPTE 272M
BNC-socket	pcs. 2x SDI-Video
HD-SDI Input	
	pcs.
Video input	HD-SDI, Audio imbedded
Audio input	Stereo, joint stereo, dual, mono
Impedance	75 Ω
Compliance	HD-SDI SMPTE 292M, SMPTE 299M
BNC-socket	pcs. 1x HD-SDI video
Analogue video input	
	pcs.
Input format	Composite FBAS-Signal
Impedance	75 Ω
Input level	-4 dBm
Input frequency range	MHz 20 Hz ... 5 MHz
Frequency response	≤ ±2 dB (20 Hz...4 MHz)
BNC-socket	pcs. 2x analog video
Analog audio input	
	2 pcs. (3.5 mm jack port)
Input format	Left, Right asymmetrical
Impedance	600 Ω/15 kΩ (switchable)
Input level	-4 dBm (500 mVeff)
Input level range	-18...+18 dBμV
Input frequency range	40 Hz...15 kHz
IP TS Output	
Output bitrate	40 Mbit (max.)
	RJ45 (GigE); SGMII (Backplane for GN50)
Output protocol	UDP/RTP Multicast/Unicast
IPTV TS Output format	CBR/VBR (MPTS or SPTS)
IP TS Output capacity	max. 2 TS
ASI TS output	
Output bitrate	Mbps
	1 pcs. (F connector)
Paket size	188 byte
MPEG Decoder - Audio / Video	
Video system	MPEG-4 HD/SD, H.264 AVC, High Profile, Level 4.0
Picture size	1080i 50, 720p 50 (MPEG-4 HD), 576i 50 (MPEG-4 SD)
	16:9 for HD; 4:3 for SD
Bit rate	1...16 Mbps (up to 24 Mbit/s in peaks)
Number of audio channels	2 per video input
Sampling frequency	48 kHz
Bit rate	384 Kbps (max.)
Audio-system	AC3, AAC, MPEG-1

Technical data	
Audio modes	Stereo and dual mono
	RJ45 (GigE); SGMII (Backplane for GN50)
Connectors	
Display	2 LED (green/yellow/red)
	BNC-socket
	3,5 mm jack socket
	F-socket
	CompactPCI Type C (SGMII)
	2x RJ45 (GigE)
General data	
Operating voltage DC	12 V DC
Power consumption	<15 W (typ.)
Dimensions (width x height x depth)	230x105x40 mm (without connectors)
Weight	0,64 kg
	Web server
Operating temperature range	+5...+45 °C

Packaging data	
Sales unit	1 pcs.
Packaging volume shipping package	2.4 dm³
Gross weight shipping unit	0.745 kg
EAN	4010056724603
Article number	72460
Customs tariff number	85437090