

14MM-GNHWENCW

CHAMELEON HD/SD ENCODER MODULE

Matchmaster
TV Reception Systems

For the Best



CHAMELEON MPEG4 HD/SD ENCODER MODULE

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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.

Features

- Encoding 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-4 over UDP/IP MPTS/SPTS
- Control and management via web UI

CHAMELEON



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TECHNICAL DATA

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

HD-SDI Input	
Number of ports	1x 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	1x SDI Video

Analogue video input	
Number of ports	2x BNC ports
Input format	Composite FBAS-signal
Input impedance	75 Ω
Input level	1 V _{ss} (\pm 0,4V)
Input frequency range	20 Hz...5 MHz
Frequency response	$\leq \pm$ 2 dB (20 Hz...4 MHz)
Connectors BNC	2x SDI Video

Analogue audio input	
Number of ports	3x 3.5 mm jack ports
Input format	Left, Right asymmetrical
Input impedance	600 / 15 k (switchable)
Input level	-4 dBm / (500 mVe)
Input level range	-18 dB...+18 dB
Input frequency range	40 Hz...15 kHz

IP TS output	
Output bitrate	max. 40 Mbit
Connector	RJ45 GigE & SGMII GigE
Output protocol	UDP/RTP Multicast/Unicast
IP TS output format	CBR/VBR (MPTS or SPTS)
IP TS output capacity	max. 2 TS

ASI TS output	
Output bitrate	max. 40 Mbit
Number of ports	1x F connector port
Packet Size	188 byte

MPEG encoder – Audio / Video	
Video system	MPEG-4 HD/SD, H.264 AVC, High Prole, Level 4.0
Picture size	1080i50, 720p50 (MPEG-4 HD), 576i50 (MPEG-4 SD)
Aspect ratio	16:9
Bit rate	1...16 Mbit/s (up to 24 Mbit/s in peaks)
Number of audio channels	2 per video input
Sampling frequency	48 kHz
Bit rate	max. 384 kbit/s
Audio system	AC3, AAC
Audio modes	stereo

Control and Management	
Graphical User Interface	
Control connectors	RJ45 (GigE) & SGMII (backplane for GN50)

Connectors and Interfaces	
Signalling	2 LED (green/yellow/red)
SDI/Video input	BNC-connector, 75
Analogue audio input	3.5 mm 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	typ. <15 W, max. 18 W
Dimensions	230 x 105 x 40 mm (excl. connectors)
Weight	Approx. 640 g
Controller Embedded	web server, SNMP
Op. temperature	5°C...45°C



For more information call:

TOLL FREE: 1800-AERIAL (1800-237425)

www.matchmaster.com.au