

GNVMOD, GNDVMOD, GNBTS Analogue Modulators

CHAMELEON GNxVMOD, GNBTS PAL-625/SECAM, PAL-M/NTSC

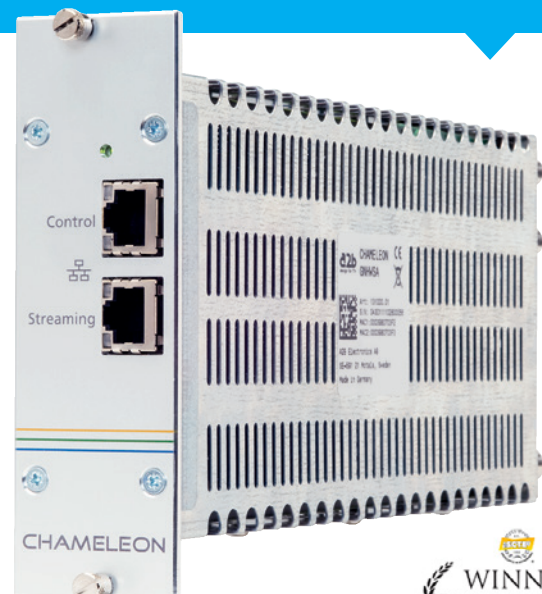
The CHAMELEON analogue modulators are enabled by the SW options GNVMOD (single PAL-625/SECAM, PAL-M/NTSC out), GNDVMOD (dual PAL-625/SECAM out). GNBTS enables MTS and SAP for PAL-M/NTSC out. With the embedded MPEG decoder, the analogue modulators support TS inputs to PAL-625/SECAM or PAL-M/NTSC modulation.

- UP TO 2 PAL-625/SECAM OUT IN ONE CHAMELEON
- PAL-625/SECAM: PAL B/G, D/K, I, N, SECAM D/K, B/G, L
- 1 PAL-M/NTSC RF OUTPUT
- VSB MODULATION (ADJACENT CHANNEL CAPABILITY)
- HIGH OUTPUT LEVEL
- MONO, NICAM STEREO, A2 STEREO, A2* STEREO FOR PAL-625
- MONO, MTS, MTS + SAP AUDIO FOR PAL-M/NTSC
- OUTPUT FREQUENCY 48-855 MHZ
- HD TO SD DOWNSCALING (ONE SERVICE)



Any video from any source to any device

The CHAMELEON product line is the first ever to cover almost every need for Cable-TV and SMATV distribution with only one hardware. The different inputs and outputs are defined by software and hardware options and all software options can be updated any time.



Graphical User Interface for easy set up of complex systems. Simple handling of service remultiplexing and automatic PSI/SI regeneration. Each CHAMELEON contains an embedded web server for management and control. Standard web browsers (Explorer, Mozilla etc.) are supported.

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General information about SW options

A SW option purchased for a CHAMELEON can only be used in this specific CHAMELEON. When ordering a SW option for a specific CHAMELEON, the serial number of the CHAMELEON must be stated. SW options can be ordered together with the CHAMELEON HW modules, or separately to an existing CHAMELEON module.

Technical Information

MPEG Decoder – Audio/Video	
Supported formats video	MPEG-2 MP@ML, MPEG-2 MP@HL, up to MPEG-4 H.264 AVC, HiP, level 4
Supported formats audio	MPEG 1 layer II, AAC, HE-AAC, Dolby Digital AC-3, E-AC-3
Aspect Ratio	Letterbox, Pan/Scan, or conversion combined (14:9) programmable, WSS
Subtitling	Teletext or DVB
HD Downscaling	HD to SD downscaling of 1 service

Analogue VSB Modulation PAL-625/SECAM	
Number of modulators	Up to 2 analogue modulators
Standards	PAL B/G, D/K, I, N, SECAM D/K, B/G, L
Group delay pre-correction	B/G general, D/K GOST20532-75, M FCC, none
Sound	Mono, NICAM stereo, A2 stereo. A2* stereo
Video modulation	VSB AM, neg. or pos.
Video bandwidth	4.2, 5.0, 6.0 MHz
Audio modulation	FM or AM
Output frequency	48-855 MHz
Channel bonding	All outputs within 40 MHz band (5 channels @ 8 MHz)
Output level (typical)	111 dBµV (1 channel), 108 dBµV (2 channel)
Video S/N (weighted)	> 65 dB
C/N, broadband	Typical 75 dB (72 dB typical at adjacent channel)
Spur. suppression	> 60 dBc

Analogue VSB Modulation PAL-M/NTSC	
Number of modulators	1 analogue modulator
Standards	PAL M, NTSC
Group delay pre-correction	FCC, none
Sound	Mono, MTS, MTS + SAP audio
Video modulation	VSB AM, neg.
Video bandwidth	4.2 MHz
Audio modulation	FM
Output frequency	48-855 MHz
Output level (typical)	Max 111 dBµV
Video S/N (weighted)	> 65 dB
C/N, broadband	> 70 dB (65 dB typical at adjacent channel)
Spur. suppression	> 60 dBc

SW options	Article number	Description
GNVMOD	71751	Single VSB (PAL-625/SECAM, PAL-M/NTSC) out
GNDVMOD	71752	Dual analogue (PAL-625/SECAM) out
GNBTS	73919	Single MTS + SAP audio (BTSC) (PAL-M, NTSC)

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