

FM Modulators

GNDFM, GNOCTFM

CHAMELEON GNxFM Mono, Stereo & Joint Stereo Output

The CHAMELEON FM modulators are enabled by the SW options GNDFM (dual FM out) and GNOCTFM (8 FM out). The FM modulators supports mono, stereo and joint stereo output, and can handle RDS insertion. Complying to ITU-R BS.450-3, the Chameleon FM modulator gives you high quality FM output for any size of cable network.

- UP TO 8 FM OUT IN ONE CHAMELEON
- MONO, STEREO, JOINT STEREO
- HIGH OUTPUT LEVEL
- RDS INSERTION
- OUTPUT FREQUENCY 87.5-108 MHZ

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

FM Modulation	
Number of modulators	Up to 8 FM modulators
Audio decoder	MPEG-1 Layer I/II
Sound	Mono, stereo, joint stereo
Modulation	FM, ref ITU-R BS.450-3
FM deviation limiter	Yes
RDS insertion (dynamic and static)	Yes. Ref EN50067
Output frequency	87.5-108 MHz, 100 kHz step size
Output level per FM channel (typical)	92 dB μ V
S/N	> 60 dB (mono) > 55 dB (stereo)
C/N, broadband	Typical 65 dB Typical 60 dBc (FM band 87.5-108 MHz)
Spur. suppression	> 50 dBc (outside FM band)

SW options	Article number	Description
GNDFM	72231	Dual analogue FM radio out
GNOCTFM	71767	Octo (8) analogue FM radio out

Related SW options, and constraints	
GNCI, GNDCI	Enabling decryption via professional CAMs
GNDOL	Enabling Dolby to analogue out

Related Hardware



CHAMELEON GN50 and GN40

19 inch subracks fitting up to 10 Chameleon modules

GN50: 3 HU subrack with embedded GigE switch, embedded fans and PSU, and redundant PSU as option

GN40: 4 HU subrack including PSU and fan unit.

For more information about GN40 and GN50, please contact WISI sales, or visit our web site www.wisi.de.



CHAMELEON GN01 and GN20

GN01: Wall mount subrack for 1 or 2 Chameleons with mbedded PSU and fans.

GN20: 1 HU 19 inch subrack for 1 or 2 Chameleons with embedded PSU and fans.

For more information about GN20 and GN01, please contact WISI sales, or visit our web site www.wisi.de.