

# CHAMELEON Software Options

The CHAMELEON modules use software options to activate functionality. When you buy your CHAMELEON hardware, you can use the WISI Configurator to find out which software options you need. If you need to add or change functionality later on, you can easily order new software options.

SOFTWARE PACKAGES	
<b>GN TRANS</b>	DVB Receiver with QAM/COFDM Modulator (GNDCI, GNSYMUX, GNDCMOD, GNDTMOD)
<b>GN IRD</b>	DVB Receiver with VSB Modulator (GNDCI, GNDVMOD. GNDOL is not included)
<b>GN GATE</b>	IP Streamer (GNDCI, GNSYMUX, GNSTR)
<b>GN DEDGE</b>	Edge QAM/COFDM (GNDCMOD, GNDTMOD, GNDCI, GNSTR, GNSYMUX)
<b>GN VEDGE</b>	Edge VSB (GNDVMOD, GNDCI, GNSTR. GNDOL is not included)
<b>GN ALL</b>	Almost all functionality. Lacks Dolby, NTSC stereo sound, N+1 redundancy, SDI input, PLP processing, BISS descrambling, AES-128 scrambling, Samsung LYNK scrambling and LG Pro:Idiom scrambling (GNQCMOD, GNDTMOD, GNDMOD, GNDVMOD, GNDISMOD, GNOCTFM, GNDASI, GNDSDI, GNHSDI, GNSTR, GNSTREC, GNSYMUX, GNSYSMG, GNDCI, GNSCR, GNRED)

INPUTS & OUTPUTS	
<b>GN DCMOD</b>	Two DVB-C or J.83 Annex A/B/C modulator outputs
<b>GN QCMOD</b>	Four DVB-C or J.83 Annex A/B/C modulator outputs
<b>GN DTMOD</b>	Two DVB-T modulator outputs
<b>GN DMOD</b>	One DTMB modulator output
<b>GN DVMOD</b>	Two Analog TV modulator outputs
<b>GN ISMOD</b>	One ISDB-T modulator output
<b>GN OCTFM</b>	Eight FM radio modulator outputs
<b>GN ASI</b>	One ASI input/output
<b>GN DASI</b>	Two ASI inputs/outputs
<b>GN SSDI</b>	One SDI output
<b>GN DSDI</b>	Two SDI outputs
<b>GN HSDI</b>	One HD-SDI output
<b>GN SSDMOD</b>	One SDI input to one Analog TV modulator output
<b>GN DSDMOD</b>	Two SDI inputs to two Analog TV modulator outputs

MPEG TRANSPRT STREAM PROCESSING	
<b>GN SYMUX</b>	Remultiplexing of services and system wide DVB PSI/SI table sharing
<b>GN T2MIDE</b>	One T2-MI de-encapsulator capable of extracting 2 PLPs
<b>GN DT2MIDE</b>	Two T2-MI de-encapsulators capable of extracting 2 PLPs each
<b>GN DT2MIPL</b>	Adds capability to extract two additional PLPs
<b>GN QT2MIPL</b>	Adds capability to extract four additional PLPs

MPEG TRANSPRT STREAM PROCESSING	
<b>GN OT2MIPL</b>	Adds capability to extract eight additional PLPs
<b>GN XT2MIPL</b>	Adds capability to extract sixteen additional PLPs

AUDIO PROCESSING	
<b>GN DOL</b>	Decoding of two Dolby Digital (AC-3) audio
<b>GN BTS</b>	One MTS+SAP (BTSC) audio modulation for PAL-M and NTSC

IP STREAMING	
<b>GN STR</b>	20 MPTS/SPTS IPTV inputs and outputs
<b>GN STR X</b>	Extension for GNSTR. Gives an additional 108 MPTS/SPTS
<b>GN STREC</b>	20 MPTS/SPTS IPTV inputs and outputs with FEC

SCRAMBLING & DESCRAMBLING	
<b>GN DCI</b>	Two CAM descramblers
<b>GN BISS</b>	BISS descrambling for 8 services
<b>GN SCR / GN SCR X</b>	Simulcrypt CSA/BISS scrambler for 32 services. / Extension for add. 96 sevice.
<b>GN AES / GN AES X</b>	Simulcrypt AES-128 scrambler for 32 services. / Extension for add. 96 sevice.
<b>GN LYNK / GN LYNK X</b>	Simulcrypt Samsung LYNK scrambler for 32 services / Extension for add. 96 sevice.
<b>GN PISCR8/16/24</b>	LG Pro:Idiom scrambler for 8/16/24 services

REDUNDANCY	
<b>GN RED</b>	IP input signal redundancy
<b>GN NRED</b>	N+1 module redundancy

