Remultiplexing

GNMUX, GNPSISI, GNSYMUX

CHAMELEON GNxMUX
Remultiplexing & PSI/SI Handling

Remultiplexing and PSI/SI handling in the CHAMELEON and in a system of CHAMELEONS are enabled by the SW options GNMUX (remultiplexing in a single CHAMELEON), GNPSISI (enabling PSI/SI sharing between CHAMELEONS), and GNSYMUX (remultiplexing in a system of CHAMELEONS). Complying to the ETSI EN 300 468, the CHAMELEON remultiplexing automatically creates the PSI/SI table structure and table data entries.

- REMULTIPLEXING OF SERVICES AND PSI/SI FROM TUNER, ASI AND IP INPUTS

- AUTOMATIC PSI/SI TABLE STRUCTURE CREATION

- AUTOMATIC PSI/SI DATA CREATION

- DYNAMICALLY UPDATED PSI/SI DATA

- DVB-NETWORK-WIDE PSI/SI FOR A COMPLETE SYSTEM OF CHAMELEONS

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 distrubution 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.

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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

Remultiplexing and PSI/SI	
Service remultiplexing	Yes
PID filtering and PID remapping	Yes
PID/SID auto anti-clash	Yes
PCR restamping and de-jitter	Yes
Dynamic PSI/SI processing	Yes
Advanced PSI/SI regeneration	Yes
Supported tables	PAT, CAT, PMT, TSDT, NIT, SDT, EIT, TDT, TOT
DVB compliance	ETSI EN 300 468

SW options	Article number	Description
GNMUX	71758	Enabling selection of services from several input sources to an output. Complete and dynamically updated PSI/SI for all digital outputs from a single Chameleon module.
GNPSISI	73305	Enabling PSI/SI sharing between Chameleons in a system. Remultiplexing of services from several input sources not enabled.
GNSYMUX	71760	Enabling sharing of NIT, SDT Other and EIT Other between Chameleons in a system. Complete and dynamically updated PSI/SI for all digital outputs from a system of Chameleon modules[1].

[1] To create a "system of Chameleons", the Headend System Management is used, and the Chameleons must be interconnected via a switch

Note: The GNSYMUX includes the GNMUX functionality. Using the GNMUX together with GNPSISI gives the same functionality as GNSYMUX.

Related SW options, and constraints	
GNxTMOD	DVB-T modulation SW options
GNxXMOD	DVB-C modulation SW options
GNDMOD	DTMB modulation SW option
GNxCI	Common Interface descrambling
GNSCR	Enabling scrambling of the outputs

CHAMELEON

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