IP Streaming in/out

GNSTR, GNSTREC

CHAMELEON GNSTRx
IP Input & Output

The CHAMELEON IP streaming inputs and outputs are enabled by the SW options GNSTR (IP streaming in/out) and GNSTREC (IP streaming in/out with FEC in). The IP streaming in/out allows you to use the Chameleon as a streaming device (tuner in to IP out) or as an Edge device (IP in and RF modulated analogue or digital output).

- MULTIPLE SPTS/MPTS IN/OUT
- UDP/RTP MULTICAST/UNICAST IN
- UDP/RTP MULTICAST/UNICAST OUT
- CBR/VBR OUTPUT
- HIGH INPUT/OUTPUT BITRATES
- TIME STAMPING AND DE-JITTER
- CBR INPUT FOR DIGITAL OUT,
  CBR/VBR FOR ANALOGUE OUT

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.

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

IPTV input/output	
Input bit rate	Max 110 Mbit/s per IPTS, max 200 Mbit/s total
Output bit rate	Max 110 Mbit/s per IPTS, max 200 Mbit/s total
Connector	RJ45 GigE GigE backplane connector for GN50 mounted Chameleon
Output protocol	UDP/RTP Multicast/Unicast
Input protocol	UDP/RTP Multicast/Unicast
IPTV TS input format/capacity	CBR, Max 20 TS (MPTS or SPTS) [1] VBR (only for analogue out)
IPTV TS output format/capacity	CBR/VBR, Max 20 TS (MPTS or SPTS) [1]
Time stamp and de-jitter	Yes

[1] Number of IP TS in or out will depend on Operation Mode

SW options	Article number	Description
GNSTR	71761	IP streaming in/out capability enabled
GNSTREC	71769	IP streaming in/out & IP FEC in

Related SW options, and constraints	
GNCI, GNDCI	Enabling decryption via professional CAMs
GNMUX	Allowing selection of services from any input to an output

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.

CHAMELEON

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