

Chameleon

a2b
design for TV



The unique Headend concept

***Transforming
Your Reality***

excellence in digital ...

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Top flexibility and performance

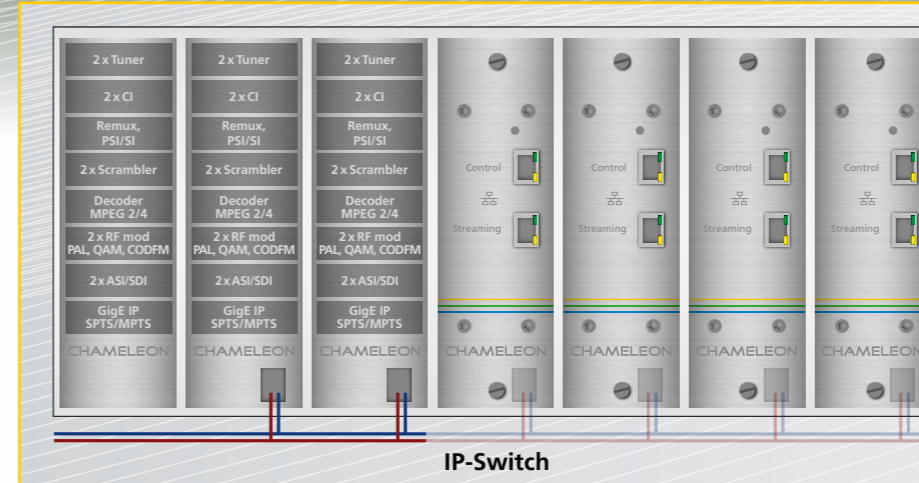
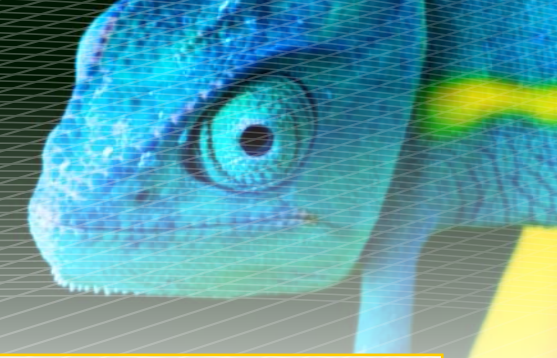
Chameleon is a single hardware product line, where the functionality of each module can be configured via software. Chameleon modules create a modular headend system for any size of network. The Chameleon modules are superbly suited for the transition from the analogue to the digital environment as well as for the connection between HFC and IP distribution platforms.

Chameleon modules can be mounted in the standard GN 40 chassis as well as in the enhanced GN 50 chassis with redundant power supply and integrated GigE switch for high profile professional applications.

Adaptable to any environment



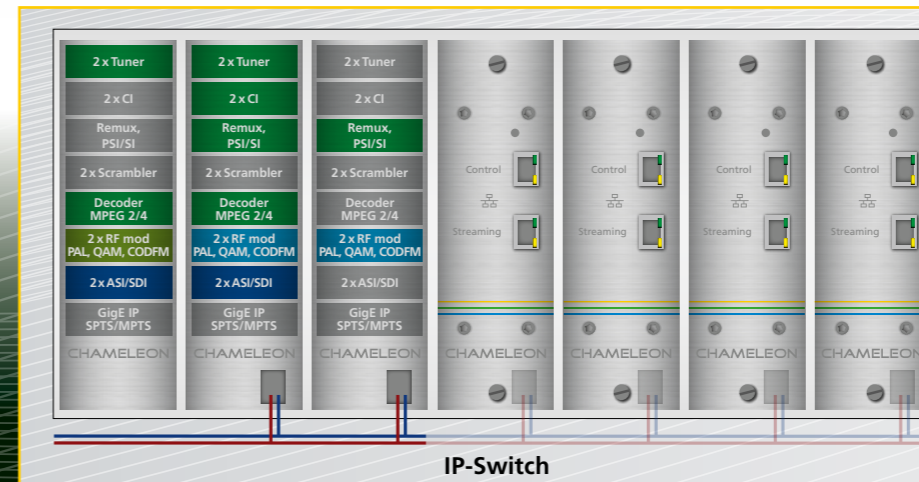
Perfectly equipped modules



Each single Chameleon module contains the following components: Universal tuner, universal modulator, CI slot, MPEG decoder, scrambler, remux, PSI/SI generator and a Gigabit Ethernet interface for IP streaming in/out.

These components are integrated twice in each module.

Individual solutions through software activation



All desired functions can be activated and modified by uploading software. Additional modules increase the processing capacity since they are linked via IP interfaces. This allows you reaching the computing performance of bigger multiplexers in spite of the low starting price.

Peak functionality

Chameleon offers a variety of continuously enhanced functions.

Receiver DVB-S/S2

Receiver DVB-T/C

Receiver DVB-T2

Transmodulator to COFDM

Transmodulator to QAM

DVB-C, DVB-T modulators

Analogue VSB RF modulator

Edge QAM

Edge COFDM

MPEG-2/MPEG-4 SD decoder

MPEG-4 HD decoder

CI decryption

Remultiplexer multiple TS

DVB-CSA scrambler

IP streamer

ASI interface

SDI output, 2 SD/1 HD

DVB-S/S2



DVB-T



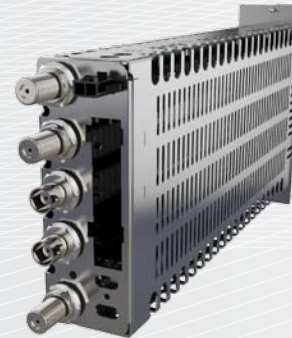
DVB-C



IPTV



ASI



DVB-T

DVB-C

IPTV

ASI

SDI/HD-SDI

Analogue RF

DTMB

FM

At one glance

- **Chameleon** is a completely new headend concept. As the name suggests, the headend can adapt to its environment in that the individual modules are able to alter their function according to the demand.
- **Individual software unlocking** facilitates the application-specific product activation. You only pay for what you are using.
- Its **modular design** allows Chameleon to meet the requirements of all uses from single unit stand-alone devices in SMATV applications up to complex headend units in large CATV networks.
- Quick and easy **expansion** by adding additional units or software options.
- **Long product lifecycle** of hardware due to future software upgrades.
- **Remote diagnosis** and SNMP traps for alarm activation reduce maintenance efforts. The use of a single module type provides for economic spare parts provision.
- **Energy-efficient** during operation. This saves money and preserves the environment.
- Chameleon, **the most economic headend system for all future-oriented applications** of network operators and service providers.



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