# CHAMELEON

## Internal Streaming Addendum

2015-11-13 JÅ

# 1 Streaming between Chameleons installed in GN50

Streaming between Chameleons installed in a GN50 does not require any software option if the Chameleons run software 2.4.2 or later, and the GT11 in the GN50 runs software 2.3 or later. In this case, you should create streaming network interfaces for VLAN ID 16 in the Chameleons. The restriction is that this VLAN cannot be connected to any external streaming port in the GT11, see more in the user manual for SW2.3 for GN50/GT11.

## 1.1 Using streaming between Chameleons to "remux before CI"

A CI slot in a Chameleon can be connected to an incoming transport stream. However, it is not possible to remux services in a single Chameleon before connecting the transport stream to a CI slot.

To enable descrambling of services from different input sources (e.g. from different satellite transponders), you can create a new transport stream (with the services you want to descramble with the same CAM), and use e.g. streaming between Chameleons to receive this "compiled" transport stream, and route it to a CI slot:

1. Create an IPTV output
2. Add the services you want to descramble in the same CAM to this output
3. Set up an input in another Chameleon to receive this "compiled" transport stream containing all services that you want to descramble
4. Connect this input to a CI slot

As in any descrambling, the normal restrictions apply in terms of the number of PIDs a CAM can descramble, the authorisation of the SmartCard etc.

**Note**: You can also use the ASI input and output to perform the same task.

# Any Video from any Source to any Device

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