

# GTRED IP Input Redundancy

## TANGRAM GTRED Licenses

IP input redundancy in the TANGRAM is enabled by the SW options GTRED.

The IP input redundancy handles switching between sources carrying identical information, e.g. dual sources for securing operation also for cases where one source fails completely.

**Maximum performance,  
minimum footprint.**

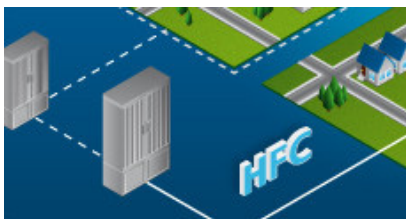
The WISI TANGRAM video platform is a high-density digital TV headend for contribution of digital TV via IP networks and end-to-end IPTV solutions such as video-on-demand, connected TV and OTT (Over The Top) or Web TV.

## Features

- Redundancy for IP Inputs
- Up to 3 alternative IP Inputs configurable
- Automatic switching to next IP Source on a failure
- Bit rate based triggering



## Solutions with TANGRAM



### HFC

From the Headend to the wall-outlet: everything for the cable network.



### RF OVERLAY

Solutions for video services in GPON and Active Ethernet networks.



### CHANNEL PROCESSING

Headends for residential, regional and national networks.

## General Information about SW options

A SW option purchased for a TANGRAM can only be used in this specific TANGRAM. When ordering a SW option for a specific TANGRAM, the serial number of the TANGRAM must be stated. SW options can be ordered together with the TANGRAM HW modules, or separately to an existing TANGRAM module.

## Technical Information

IP Input Redundancy	
Input modes supported	IP Inputs
Number of alternative inputs	One main input and up to 3 alternative inputs
Fail-over triggering	Bit rate = 0
Multicast and UDP source selection	Yes
Source address selection	Yes

SW options	Article number	Description
GTRED	73072	IP input redundancy

Related SW options and constraints	
GT FEC	IP streaming with FEC in per module
GTMUX	Multiplexing
GTPSISI	PSI/SI Processing
GTSYMUX	Multiplexing and PSI/SI Processing

## Related Hardware



### TANGRAM chassis

**GT01:** 19inch, 1 HU subrack with embedded GigE switch, embedded fans and PSU, and redundant PSU as option.

For more information about GT01, and GTx modules, please contact WISI sales, or visit our web site [www.wisi.de](http://www.wisi.de).



### TANGRAM modules

**GT21:** EdgePAL

**GT22:** EdgeFM

**GT23:** EdgeQAM module

**GT24:** EdgeCOFDM module

**GT31:** DVB-S/S2/C/T/T2 Reception

**GT42:** Descrambler



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