



High Density Optical Platform

FROM HFC TO FTTx AND DAA NETWORKS



OPTOPUS Engineered to Perform



Solutions with **OPTOPUS**



HFC

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



RF OVER GLASS

RFoG is the solution for FTTH networks
based on DVB and DOCSIS.



RF OVERLAY

Solutions for video services in GPON
and Active Ethernet networks.

OPTOPUS

One Platform for All Networks

The optical platform WISI Optopus is notably flexible and serves high-density needs for all kinds of RF optical networks. The platform is engineered to perform in a large number of environments, such as HFC, RF over Glass, or RF Overlay in FTTx applications.

The **WISI Optopus** meets any carrier's requirements for today's networks. Redundant AC and DC power supply secure uptime, pluggable fan units increase flexibility and advanced management features makes the platform highly appreciated by telecom- and cable operators of today.

Install any module in any location in the **WISI Optopus** Base Unit to configure the platform individually to suit your needs.

With its 14 slots in a 4RU Base Unit the **WISI Optopus Platform** can house 28 transmitters, 56 receivers or a mix of both. Together with passive optics, power supply, and a management unit. The WISI Optopus - Engineered to perform for Telecom- and cable operators that need flexible and cost-efficient optical access networks.

OPTOPUS at a glance

- ✓ Headend processor for residential, regional and national networks
- ✓ A fully modular platform for any application
- ✓ Hot swappable modules simplify upgrades
- ✓ Passive backplate for easy cabling and maintenance simplification
- ✓ Redundant power supplies guarantee system availability
- ✓ Dust-free passive module cooling extends module lifetime
- ✓ Advanced management features for easy installation and operation
- ✓ DOCSIS 3.1 capable



OPTOPUS Solutions



HFC

The HFC networks of network providers and city carriers are no longer designed solely for the broadcasting of analog and digital TV programmes. New Communication services have been added rapidly.

Beyond that, customers want to use more high definition content on their mobile devices. These interactive TV and data services increase the requirements for flexibility and bandwidth, in the backbone as well as in the access network.



OBI-FREE RFOG

Cable providers and city carriers are looking for cost-efficient ways to upgrade their existing network infrastructures to the level of FTTB (Fiber To The Building), or even FTTH (Fiber To The Home).

RFoG is a passive optical network that transmits HF signals via fiber to the subscriber, similar to a HFC network in the downstream direction. A key requirement for the RFoG implementation is to keep the existing DOCSIS infrastructure and provisioning services.



RF OVERLAY

As a rule, TV becomes more interactive and mobile the younger the viewer is. At the same time there is a trend towards HD technology.

As a consequence, bandwidth requirements are rapidly increasing. Telecommunications service providers and city carriers have to take this development into account when expanding their existing network infrastructure.