

# Quarterly newsletter



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## INVERTO RELEASES



A new product family focused on reliable, high-performance cost-effective solutions for RF video overlay distribution via FTTH

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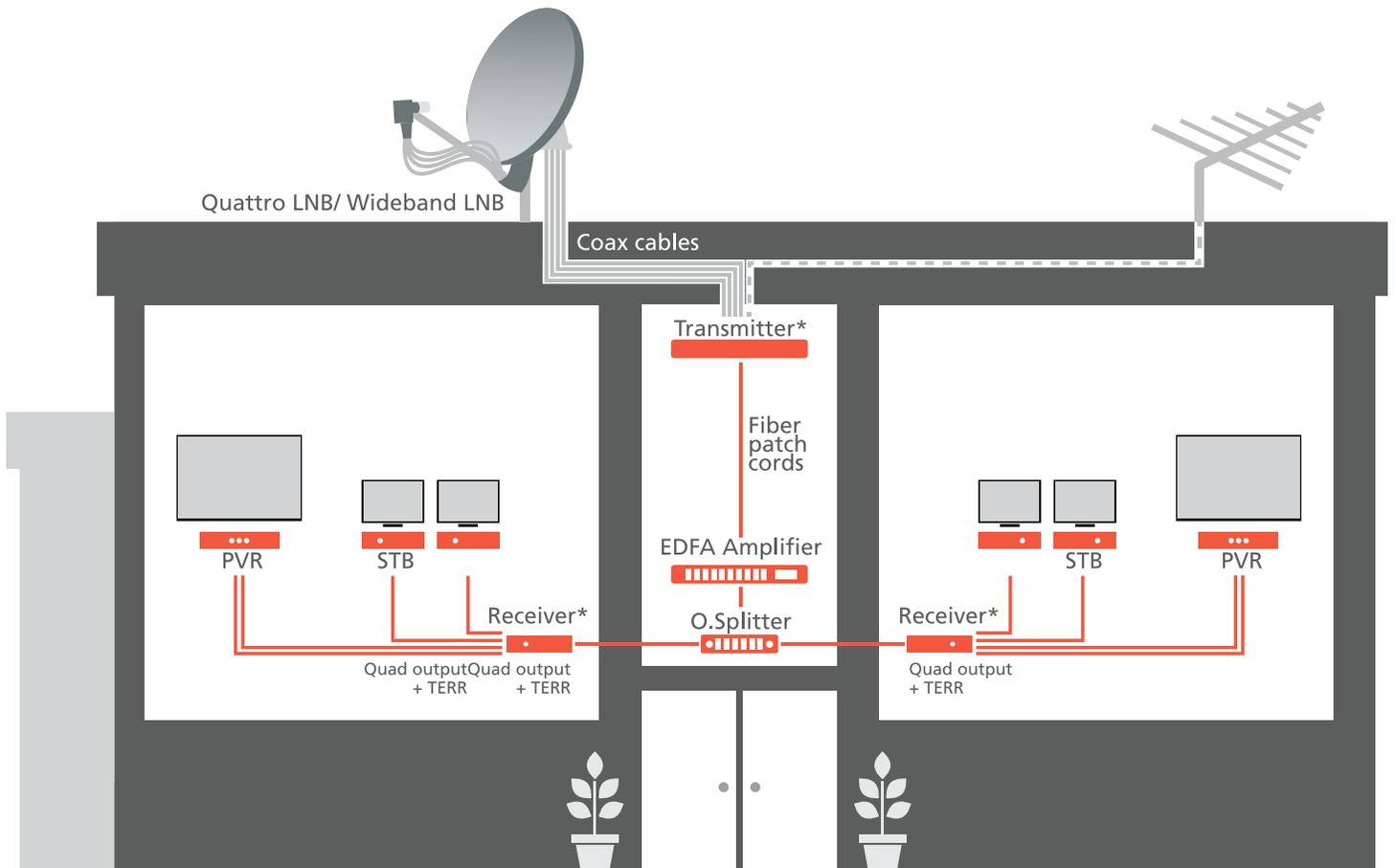
Leveraging our leading position in broadcast reception and signal distribution equipment we are proud to introduce Unifiber™ - a new product family addressing the increasing demand for reliable, high quality and cost-effective solutions for distributing TV services over fiber-to-the-home (FTTH) networks.

As bandwidth requirements continue to increase worldwide, fiber networks are essential for global operators and service providers to build competitive services and deployment of FTTH networks continues to grow at rapid pace. Fiber networks not only deliver higher data speeds and therefore critical for attracting new users, but they also slash operating costs and increase maintenance efficiency.

But fiber networks to-the-home are not only perfect for data transmission. With more complex signal modulations driven by Ultra HD and 4K transmissions and larger bandwidth required by sophisticated multi-tuner digital full-band-capture receivers at home, copper-based cable networks require an upgrade to replace legacy multiswitches with dCSS multiswitches. However, in many cases the copper networks are stretched to their bandwidth limit, complicated to power in the riser and to balance, degrade signal quality and struggle to deliver a stable TV service. Passive fiber networks, on the other hand, are simple, offer low noise and low signal loss, and by adding an EDFA amplifier, become an ideal medium for cost-efficient reliable distribution of TV services to thousands of homes from a single source. As more and more new installs deploy fiber networks in order to deliver broadband data services, adding the RF video over the same fiber network is a no-brainer.

The Unifiber™ launch focuses on a high-quality and extremely cost-effective range of 1550nm-based EDFA optical amplifiers, optical splitters and fiber leads. The range of EDFAs is based on a 19" 1U rack-mount chassis with dual power supply and offers amplifiers with +10dBm or +20dBm output levels, and with or without integrated WDM. As different wavelengths are utilized for data (typically at 1310nm and 1490nm) and for the RF video overlay (typically at 1550nm), an integrated WDM allows to combine and deliver both services over a single fiber. The range of optical splitters provides a PLC-based, low loss and balanced 4, 8 and 16-way passive splitters and the fiber leads deliver high quality single mode fibers in multiple lengths with integrated SC/APC connectors.

Despite their important advantages, deployment of fiber networks for IRS/MDU installations had been impeded by the premium prices installers and system integrators had to pay for fiber network equipment



\* Coming soon

- optical transmitters and EDFAs particularly. Inverto's Unifiber™ EDFAs are a real game changer as they increase system reliability, significantly reduce system complexity and cost not only for large-scale deployments with hundreds of homes but also for as small as 128 homes deployments.

Whether for a new or existing MDU fiber install, Inverto's Unifiber™ products will offer installers

the best elements required to optimise both performance and cost efficiency when designing their next fiber deployment. Together with our field-proven and the most competitive Unicable® dCSS multiswitches, Inverto now covers all the needs MDU installers may have when upgrading a copper network, installing a new fiber network or adding RF video overlay to an existing fiber network.

## One Device. Thousands of Homes.



**Unifiber™ optical Amplifiers**



**Unifiber™ optical splitters**



**Unifiber™ optical fiber patch cord**

Click [here](#) to see our new fiber product range



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For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed data sheets of the products.

Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice.

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