

Telecom Engineering FTTH / FTTP WDM Lite <sup>TM</sup> PON system provides secure and dedicated DWDM data channels right to your home and business over a pair of fibers or a single fiber strand. Analog RF/IF TV channel distribution is available over our multi-drop fiber splitters.

## Features

- Each customer receives a secure and dedicated fiber channel
- Each fiber channel is protocol independent and can carry data, TV, RF, video, and telephone signals
- Each fiber channel can provide any data rate traffic from 1 mbps to 10 Gbps, also 40 Gbps and 100 GE (DP-QPSK)
- Each fiber channel data rate is symmetrical
- DWDM Multiplexers are completely passive, no power required
- 1 or 2 fiber strands per channel from field coupler to customer
- 44 channels/drops possible per OLT, with 88 drop expansion option
- System is simple to install, operate, and maintain
- High reliability, MTBF > 50 years
- Telcordia GR-1209 and GR1221 qualified
- Operating temperature: -40C to +70 C for field unit
- Epoxy-free in optical path
- Warranty of 5 years

## Advantages over other FTTH technologies such as GPON

- Can be upgraded to any data rate, including 100 GE!
- Compatible with all fiber protocols including Ethernet, SONET/SDH, Video, TV, VoIP Telephone, etc.
- Robust, and high reliability
- Compatible with ATM, SAN, Fiber Channel
- Simple to manage and upgrade
- Compatible with all manufacturers DWDM ITU transceivers

