

Fiber Optical Monitoring Solutions

Empowering smarter, scalable networks with real-time diagnostics

Optical Line Monitoring (OLM)

Optical Line Monitoring enables continuous, real-time observation of fiber optic networks.

It provides quick fault localization and enhances the reliability of large-scale optical infrastructures, particularly in mission-critical environments like telecommunications and utilities.

- 24/7 passive network monitoring
- Immediate fault detection and alerting
- Reduces maintenance overhead and outage time

Optical Frequency Domain Reflectometry (OFDR)

OFDR provides ultra-high-resolution spatial sensing by analyzing interference patterns of reflected light.

It is ideal for short-range, high-precision fault detection in aerospace, defense, and data centers.

- Micron-level fault resolution
- Phase-based analysis for deeper insights
- Compact, lab-grade instrumentation

Optical Coherence Tomography (OCT)

OCT offers real-time 3D cross-sectional imaging of internal structures within fiber networks and components.

Leveraging low-coherence interferometry, it allows non-destructive testing for biomedical and photonics industries.

- High-speed, high-resolution 3D imaging
- Ideal for medical and industrial inspection
- Enables internal failure analysis and QA

Need Help Finding the Right Tool?

Talk to our experts to discover the best fiber monitoring solutions tailored for your network.