# Optoelectronic-integrated remote monitoring type for vehicle-mounted fiber optics

In this framework, here we propose and demonstrate a proof of concept to integrate, directly onto the tip of an optical fiber facet, a compact optoelectronic chip, in a deterministic fashion.

New areas of technology for the aerospace industry include new materials, new processes and new sensors. By supplying specialized fiber optic components and technologies, Luna Innovations ...

It is suitable for clear and stable monitoring, detection and recording of ground and low-altitude targets under complex vehicle-mounted conditions.Product Features1.

The paper describes vehicle condition monitoring architectures, including diagnostic solutions for identifying anomalies, malfunctions, and instability while driving on slippery or wet roads. It also ...

The Gyrocam VOSS, a vehicle-mounted sensor system, can be mast-mounted on virtually any land vehicle or expeditionary system for remote surveillance needs, and it provides high-resolution color, ...

Fibre-optic bus technology is established for high-performance transport and consists of one or more bi-directional point-to-point serial data paths.

In this paper, a joint active disturbance rejection control (ADRC) and sliding mode control (SMC) method is proposed, which can effectively improve the tracking ability of the equipment.

Instrumenting pavement with fiber optic sensors has recently gained popularity as a part of the digital infrastructure transformation. In this survey, we present some of the recent real-world ...

The optical zoom shall satisfy across-the-intersection detection objectives, including stop line and advance detection. It shall be possible to zoom the lens remotely from the Traffic Management ...

This article proposes an IoT application architecture based on optical fiber and WSN sensors to detect intrusive vehicles.

CRFS offers a range of custom solutions to integrate spectrum monitoring and direction-finding capabilities into surveillance, tactical, unmanned, and commercial vehicles.

ONMSi is a remote fiber test system that scans the fiber network 24/7 and automatically detects and locates faults without having to dispatch technicians in the field.

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This document shows how to perform the initial configuration of a VeEX RFTS-400 Remote Fiber Test System

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