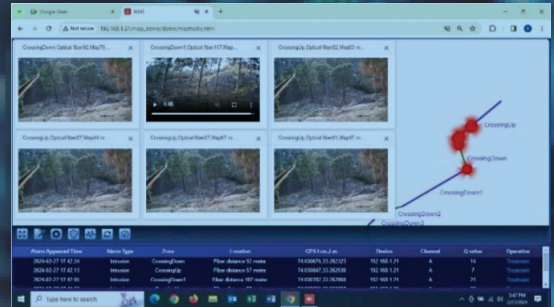


# FOSS SAFEMAX-PLUS FAMS SOFTWARE



ACCURACY BASED PERIMETER  
**INTRUSION DETECTION SYSTEM**

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PIONEERING ADVANCED FIBER OPTIC SENSING TECHNOLOGY

# TECHNICAL SPECIFICATIONS



## REAL-TIME FIBER-OPTIC INTRUSION DETECTION

FOSS's fiber-optic intrusion detection system provides real-time monitoring, accurately identifying and displaying threat locations along long-distance perimeters.

## HIGH-PRECISION THREAT LOCALIZATION

With  $\pm 1$  meter detection accuracy and  $\pm 10$  meters event precision, the system ensures fast and reliable intrusion pinpointing.

## CONSISTENT & STABLE PERFORMANCE

Designed for long-term accuracy, it maintains stable and precise threat detection without degradation.

## ADVANCED DATA PROCESSING

Utilizes high-speed data acquisition and complex DSP algorithms for rapid signal analysis and enhanced threat detection.

## LINUX-BASED POSITIONING ALGORITHM

Built on Linux, it integrates a high-precision positioning algorithm for maximum accuracy.

## EMBEDDED HIGH-SPEED DATA ACQUISITION

Features a PCIe-based data acquisition card, enabling real-time monitoring and fast data conversion.

## CENTRALIZED ALARM MANAGEMENT

Supports multiple interrogators within a single FOPIDS Manager software, streamlining security operations.

## SEAMLESS THIRD-PARTY INTEGRATION

Offers SDKs and APIs for easy integration with external security and surveillance systems.

## WEB-BASED ALARM MONITORING

A web-based alarm management system provides remote access, real-time alerts, and system control from anywhere.

# FUNCTIONAL SPECIFICATIONS



## CENTRALIZED DEVICE MANAGEMENT

FOSS Alarm Manager Software (FAMS) offers seamless management of multiple security devices from a single, centralized server. Its web-based application ensures secure access with administrator and user-level credential authorization, providing an intuitive and user-friendly interface for efficient system operation.

## SCALABLE AND INTEGRATED SECURITY SYSTEM

Designed with a robust server/client architecture and TCP/IP protocol, FAMS allows multiple interrogator units to be added and managed from a single server. The software integrates effortlessly with ONVIF IP cameras, ensuring smooth synchronization with designated security zones. It also supports up to eight alarm inputs and eight alarm outputs, providing a reliable infrastructure for immediate security response. With ONVIF protocol support, PTZ cameras can be remotely controlled, adjusting their pan, tilt, and zoom functions to preset positions for enhanced surveillance accuracy.

## INTELLIGENT ZONE CONTROL

FAMS provides flexible security zone management with both manual and automated arming and disarming options. Zones can be activated or deactivated based on a predefined schedule, ensuring continuous protection with minimal manual intervention. Multiple security zones can be linked to different preset camera positions, allowing for precise monitoring and real-time threat detection.

## REAL-TIME INTRUSION ALERTS

The software delivers instant alerts for various security threats, including intrusion detection, fiber cuts, and device failures. These alerts enable security teams to respond quickly, minimizing risks and ensuring uninterrupted monitoring of the protected area.

## COMPREHENSIVE REPORTING AND USER MANAGEMENT

FAMS features advanced reporting capabilities, allowing users to export historical event logs in both PDF and Excel formats. It includes user rights and log management to maintain access control and ensure all system activities are recorded for security auditing.

## PRECISION AND CUSTOMIZATION

Each alert provides detailed information, including a date and time stamp and the exact fiber meter distance of the intrusion location. The software also allows for customizable parameter configurations, ensuring optimal performance tailored to specific security requirements.