


Product Overview

BLUEHAWK™ SENSORS

High-Precision, Non-Contact Monitoring of
Liquid Hydrocarbon Spills & Leak Impacts

CFRS™ | Long-Standoff | Real-Time Alerts | Fixed or Mobile Deployment

 +1 (770) 366-4137

 info@photontec.net

 www.photontec.net

Challenge: Protecting Critical Assets from Liquid Hydrocarbon Risk

Oil and fuel leaks, spills, and surface contamination at industrial facilities pose serious risks to safety, operations, and the environment. Traditional monitoring methods can miss early-stage releases, thin surface sheens, and intermittent events—often responding too late or requiring frequent maintenance.

Solution: Precision, Non-Contact Surface Monitoring at Critical Control Points

BlueHawk™ Sensors provide high-confidence detection of liquid hydrocarbons at **defined surfaces, drainage paths, and water interfaces**, where spills and leak impacts first appear. Using multispectral fluorometry and patented CFRS™ technology, BlueHawk enables **early warning at standoff distances** without contact, fouling, or operational interference. Deployed at fixed locations—or combined with controlled scanning for expanded coverage—BlueHawk delivers reliable, real-time monitoring aligned with how spills are actually managed in industrial environments.

Key User Benefits

- **Early Spill Detection:** Detect surface releases early to reduce environmental impact, safety risk, and cleanup costs
- **Non-Contact, Low-Maintenance Operation:** Eliminates fouling-related cleaning, signal drift, and recalibration for reliable continuous monitoring
- **Real-Time Alerts & Integration:** Continuous monitoring with automated alerts supports rapid operational response
- **Precision Standoff Deployment:** Install up to 30+ ft from monitored surfaces on fixed, mobile, or pan-tilt platforms
- **Expanded Area Coverage (with Scanning):** Controlled scanning enables coverage of larger areas—up to 1,600 sq ft—from a single installation point
- **Hazardous-Area Ready & Scalable:** Available in standard and HazLoc/ATEX configurations, with multi-sensor deployments for complex sites
- **Surface & Water-Interface Monitoring:** Detects liquid hydrocarbons on surfaces, drainage paths, water interfaces



Industrial spill & leak detection



Sump monitoring



HazLoc surface monitoring



Port water monitoring