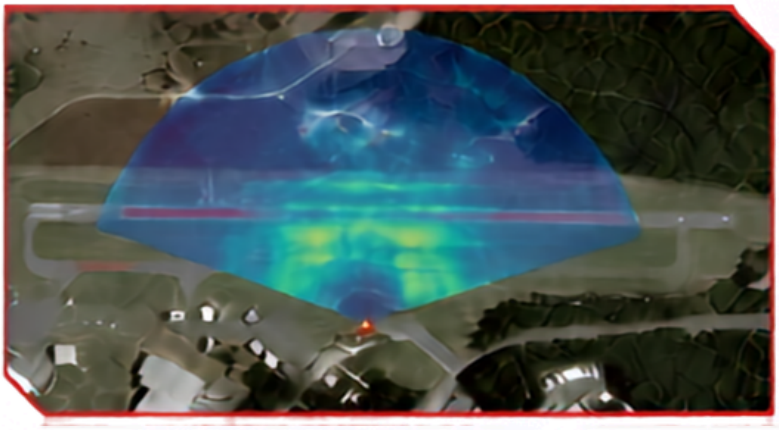
TREX AVIATION SYSTEMS

Trex FOD Finder XF | Fixed FOD Detection System

FAA Evaluated | FCC Certified | In Service

OVERVIEW

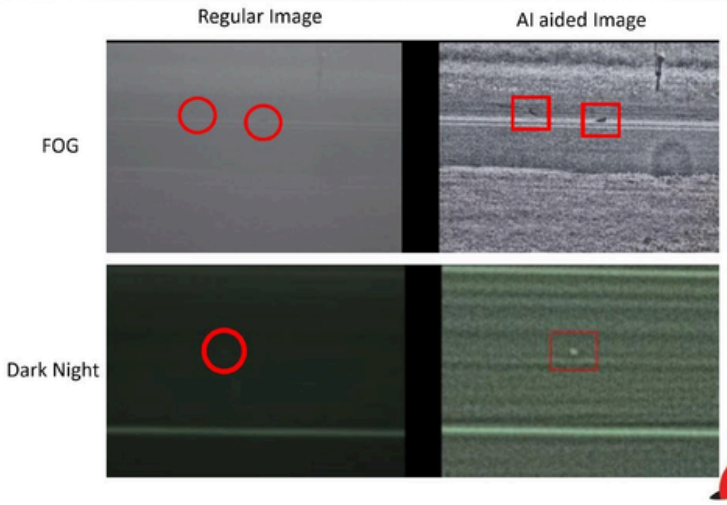
Foreign Object Debris on runways is a leading cause of aircraft damage and operational delay. The FOD Finder XF is a fixed, dual-sensor system employing millimeter-wave radar technology designed to provide continuous, automated FOD detection from a permanent location adjacent to the designated runway. No foot patrols. No runway closures. No extra crew.





DETECTION AND PERFORMANCE

- **100% detection rate** in all weather and lighting conditions
- **Zero** false detections
- FOD location accuracy **within two meters**
- Area scan updated **within one minute**



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OPERATIONS AND INTEGRATION

- Continuous **24/7** unattended operation
- Network expandable to **full runway and taxiway** length
- **No interference** with airport communications, navigation, or surveillance systems
- **Minimal maintenance**, low lifecycle cost

SENSOR SYSTEM

- Primary: low-powered **78-81 GHz** millimeter-wave radar
- Secondary: radar-cued **visual camera** and illuminator for confirmation and documentation
- **GPS coordinate** transfer to portable device for retrieval support

REGULATORY COMPLIANCE

- **FAA** AC 150/5220-24 **compliant**
- **FCC certified**, GSA Schedule eligible
- FAA Nationwide **Buy-American Waiver**
- **AIP and AIG** grant eligible

The XFV2 is backed by a comprehensive warranty covering the complete detection system. Any radar or optical failure under normal operating conditions is repaired or replaced at no cost. Extended coverage is available after the initial warranty period.