

iFerret™ 2.0

AI-powered foreign object debris (FOD) detection

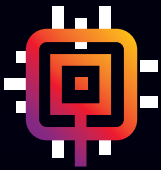
An advanced AI-powered Foreign Object Debris (FOD) detection system designed to enhance runway safety and reduce risks through intelligent automation. Developed by NCS and owned by Changi Airport Group (CAG), the system uses real-time analytics and machine learning to quickly detect and verify FOD. Equipped with high-definition electro-optical sensors and proprietary AI software, it ensures reliable detection in various weather conditions, allowing rapid removal and seamless runway operations.

Stay ahead with iFerret™ 2.0 - where AI meets airside safety.



Introducing an industry-leading FOD detection system that is tried and tested

iFerret™ 2.0 unique features have made it the preferred FOD detection system of major airports worldwide.



Intelligent vision software

Powered by state-of-the-art Electro-Optic (EO) sensors for precise detection.



Performs under all conditions

Operates reliably in low light, rain, fog, and snow as long as the runway remains operational.



Automated, fast & accurate

Detects, measures, classifies, and records FOD with high efficiency.



Real-time, 24/7 monitoring

Generates audio and video alerts with detailed FOD information.



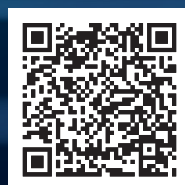
Powerful optical zoom

Provides a zoomed-in view of detected FOD for accurate visual verification.



Recording & analysis

Each electro-optical sensor scans specific runway sectors, capturing images for in-depth analysis of subsections.



Please scan QR code for more details
on NCS transport solutions