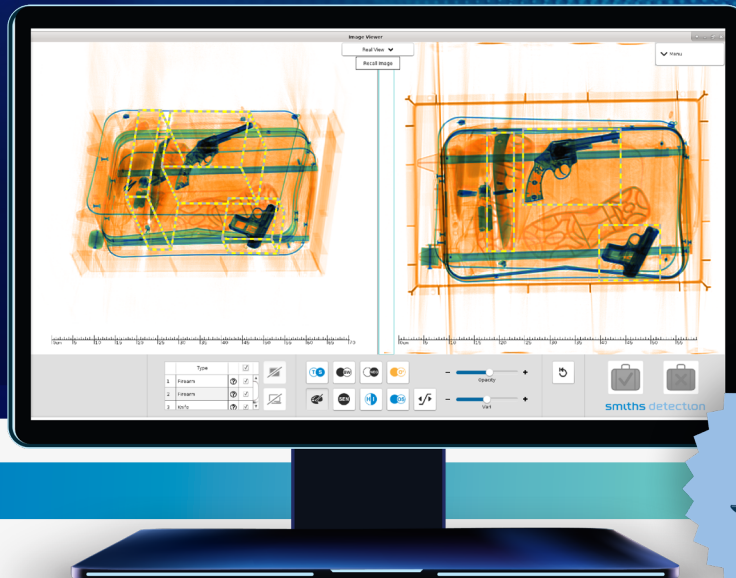


# iCMORE Automated Prohibited Item Detection at Security Checkpoints



ECAC  
APPROVED



**Every checkpoint feels the squeeze: rising passenger volumes, tighter regulations and thinner staffing, all while threats can't afford to slip through.**

iCMORE APIDS (Automated Prohibited Items Detection System) gives operators an AI-powered second set of eyes in the aviation screening process spotting firearms, sharp objects and blasting caps the instant they appear on screen, helping screeners work faster and catching more.

Purpose-built to identify items regulated under aviation security requirements, it brings the same sharp detection technology to urban security environments and beyond. Backed by an extensive X-ray image library and Smiths Detection's proprietary AI, it delivers accurate, real-time results through an intuitive interface that needs little to no training.

As part of the iCMORE Solutions Suite, the APIDS algorithm builds on decades of Smiths Detection expertise in automatic

threat detection and artificial intelligence. The iCMORE Solutions Suite is compatible with most of the Smiths Detection X-ray screening fleet.

## **Precision. Consistency. Confidence.**

Inconsistent image clarity and interpretation as well as operator overload put pressure on every screening decision, while every missed detail carries real risk.

iCMORE APIDS delivers a high probability of threat detection with a low false alarm rate, helping operators make faster, more informed security screening decisions. It also supports less experienced image analysts, helping maintain consistent screening quality across every lane and every shift.

## Key Benefits

-  Increases security outcomes
-  Enables the image on alarm viewing capability
-  Increases efficiency, and lowers operational costs
-  Delivers accurate and reliable automated threat detection
-  Improves throughput and passenger experience
-  Reduces operator workload and human error
-  Requires little to no operator training

## Algorithm Supported by Regulators

iCMORE APIDS, also known as Prohibited Items Detection, has received TSA certification for deployment on the HI-SCAN 6040 CTiX and HI-SCAN 6040 CTiX Model S.

In Europe, the detection capability is ECAC-approved (European Civil Aviation Conference) and nationally certified in several European member states on the same CT-based platforms.

These approvals demonstrate regulatory

compliance and support the adoption of more automated screening operations across the world.

## Image on Alarm Viewing: Automation That Scales

Intelligent object recognition, combined with automatic explosives detection and a risk-based approach, enables the image on alarm viewing capability, so X-ray images are reviewed only when a potential threat is automatically detected.

By automating the review of cleared bags and presenting only images that require attention, operator workload is reduced, allowing resources to be used more efficiently. Combined with automated screening lanes and centralised image evaluation, it streamlines workflows and further enhances throughput.

iCMORE APIDS brings together certified detection and intelligent automation, giving security teams a proven foundation for the future of screening.



**iCMORE APIDS has received EU/ECAC approval for the CT X-ray HI-SCAN 6040 CTiX and HI-SCAN 6040 CTiX Model S.**

## GET IN TOUCH

→ If you would like to know more about iCMORE APIDS, visit: [www.smithsdetection.com/digital-innovation](http://www.smithsdetection.com/digital-innovation)

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