Bringing Resolution to Security Threat Detection

Integrated Defense & Security Solutions

With record-setting numbers of air travelers passing through airport security checkpoints, the opportunity for threats to make their way onto an airplane has increased significantly. Single- and dual-view X-ray systems lack useful automated explosive detection algorithms, and the poor image quality limits a screener's ability to visually see and identify threats without divestiture of electronics and liquids.

Recognizing the need to improve security and passenger experience at the checkpoint, IDSS was founded in 2012 by a team of experienced security professionals who built and deployed thousands of security scanners in the post-9/11 environment. We embarked on the development of high performance, next-generation CT security to address current, and future, threats.

A key tenet in our technology design choices is the ability to maximize our products' useful life – Return on Investment (ROI) – for our customers. We believe our solutions should maximize the information available from an imaging platform and leverage internal and external resources for advancements in detection and non-detection capabilities. Since our inception, IDSS has embraced these concepts to develop the best solutions for our customers.

Our first product, The DETECT™ 1000, is the embodiment of this design philosophy. With its TSA and ECAC certified detection algorithms and low noise, high-quality images, the DETECT™ 1000 brings resolution to automated and on-screen threat detection for today ... and tomorrow.

Why IDSS and the DETECT™ 1000?

The DETECT™ 1000 was created to combat increasing threats and improve checkpoint experience for screeners and passengers alike. Its cutting-edge CT technology provides superior image quality and advanced AI algorithms to accurately identify threats in cluttered bags, while improving speed and the overall customer experience.

Superior X-Ray Information for Better Detection

- The DETECT™ 1000's submillimeter resolution yields detailed 3D imagery, which provides screeners with the confidence and tools to achieve over 98.5% accuracy in identifying prohibited items in airport testing.
- Artificial Intelligence and deep learning capabilities allow for optimized Automated Threat Detection, demonstrating an extremely high probability of detection and fewer operational false alarms.

Built for Speed and Safety

- Unsurpassed resolution reduces the time operators spend scanning, analyzing, and searching bags, while allowing passengers to leave their electronics and liquids in their bags, speeding the entire checkpoint process.
- Patent-pending "Dynamic Flow Throughput" technology provides high throughput while maintaining radiation safety without the need for tunnel extensions or large bag gaps.

Deployment Options to Meet Your Needs

- Operational Deployments as stand-alone units, automated diverters or integration with any Automated Tray Return System (ATRS) – ensure a fit within your checkpoint footprint at your required throughput.

Deployed Today and Built For the Future

- Multiple deployments of the DETECT™ 1000 worldwide have demonstrated throughput of more than 500 items per hour so you can move more passengers through security more quickly.
- Leveraging the superior X-ray information, IDSS and its partners are adding capabilities such as prohibited item and narcotics detection to continue to evolve the technology for our customers.

THE DETECT™ 1000 TECHNOLOGY PLATFORM

Our team of technology innovators and business leaders delivers solutions that redefine security standards, address emerging and evolving threats, and counter operational challenges. IDSS, located in Massachusetts,   is currently leveraging the DETECT™ 1000 technology platform to address security needs in other markets such as cargo inspection, narcotics detection, checked baggage, and venue protection. To learn more about IDSS, technical collaboration or partnership opportunities, contact us at **sales@idsscorp.net**.