



NEXT GENERATION OF AI FOR AUTOMATIC X-RAY THREAT DETECTION



Our proprietary software A-EYE is an Artificial Intelligence system intended for the automated identification of firearms, firearm components, ammunition, grenades, knives, and brass knuckles. The detection algorithm is an embedded part of our baggage inspection systems.

The automatic detection solution is built using real threat objects that could be expected at events and locations such as theme parks, concerts, sporting events, schools, or other venues which may require security checkpoints.

NEXT GENERATION OF AI FOR AUTOMATIC X-RAY THREAT DETECTION

The A-EYE algorithm considers diverse visual backgrounds in baggage consisting of variously dense-packed items in any bag type. This algorithm increases threat detection capabilities for operators with any level of experience.

Threats are visually highlighted on the screen by colored boxes with category identification, the software allows the system to automatically stop the conveyor when a threat is detected.

A scanner equipped with the A-EYE algorithm ensures increased throughput and social distancing due to minimizing crowded lines at security checkpoints.

KNIVES



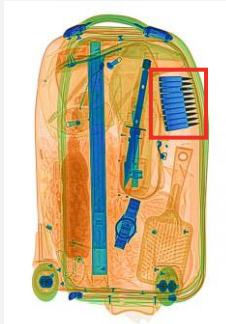
Combi knives, paper knife, Jack-knives folded/ unfolded/ partially folded, Swiss army knife, Lexan's knife, multi-tools, kitchen knives from 2.36"

HANDGUNS



Assembled or disassembled handguns, revolvers, shotguns and submachine guns

AMMUNITION



Empty or loaded clips and magazines for automatic guns and revolvers, ammo of various calibers single and in bulk

BRASS KNUCKLES



The most commonly used forms, palm grips, and materials were taken into account

GRENADES



Most widespread grenade types like MK2, M26, M67, F1, RGD-5, RG-42, AN-M14, M7A3 CS, and others

FLARES



Colored smoke, smoke balls, flares, not only smoke, but also fire, flashes of various shapes and diameters

CUSTOM AI SOLUTIONS

Our new powerful AI became more flexible and can be adapted for your needs. We identify the list of target items for automatic detection, retrain our algorithms to recognize the objects of interest in required conditions and deliver them to any model of our scanners that meets your requirements.

Common tasks our AI solutions help to complete:

- Prevent theft in various industries
- Recognize foreign objects in products
- Detect threats specific for your domain
- Additional layer for automatic quality control