



FIRST-OF-ITS-KIND IMAGING RADAR

Secondary Screening WDS

**Resolve Secondary Screening Alerts
Faster — Without the Pat-Down**

Non-ionizing imaging radar that strengthens a layered security approach is designed to help officers quickly resolve secondary screening alerts in boots, footwear, lower legs, and densely packed bags, areas where traditional screening tools often struggle to inspect. Faster resolution, fewer invasive searches, and a better visitor experience across hospitals, schools, stadiums, and corporate environments.



The Blind Spot

Walkthrough WDS systems help identify threats on the body, while AI Assisted X-Ray Baggage Scanner systems inspect bags and belongings. But concealed items in boots, shoes, ankles, and dense bag compartments often require invasive pat-downs or complete bag inspections — slowing throughput and frustrating visitors.

Non-Ionizing

Imaging Radar

Human-in-Loop

Officer-Driven Decisions

Bags . Boots . Legs

Purpose-Built Coverage

WHEN TO DEPLOY

Secondary Screening Operations

Secondary Screening WDS is purpose-built to assist officers after a primary alert or during targeted screening changes to operators

Triggered Following

- Walkthrough WDS alerts
- AI Assisted X-Ray Baggage Scanner alerts
- Behavioral indicators or suspicious activity
- Randomized screening procedures
- Policy-driven secondary inspections

Screens

- Boots, Shoes, High-top footwear
- Lower legs, ankles, calf concealment zones
- Bag compartments and dense personal belongings
- Layered concealment areas

KEY FEATURES

How It Helps Officers

Imaging Radar Assistance

Provides enhanced visibility into areas requiring additional inspection following an alert.

Bag Inspection Assistance

Helps officers inspect layered or densely packed bags without requiring complete bag removal or manual unpacking.

Footwear & Lower-Leg Screening

Purpose-built for boots, thick soles, ankles, and lower legs.

Human-in-the-Loop Decisions

Officers retain final authority — the system augments officer awareness — not human judgment.



Disclaimer: No System is 100% accurate, including this advanced Weapons Detection System



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Secondary Screening WDS



01

Faster Alarm Resolution

Resolve WDS or AI Assisted X-Ray Baggage Scanner alerts in seconds instead of minutes — without requiring footwear removal or complete bag inspections.

02

Fewer Invasive Searches

Reduce pat-downs and manual bag inspections, preserving dignity for patients, students, employees, and guests.

03

Privacy-Conscious by Design

Non-ionizing imaging radar designed for repeated daily use in healthcare, education, and public environments.

04

One Unified Platform

Integrates with Apollo WDS, AI-Assisted X-Ray Baggage Scanner, AthenaVision AR Alert Glasses, Athena AI Agents, Hospital Visitor Management, and Incident Reporting.

TECHNICAL SPECIFICATIONS

Imaging Technology

Advanced Non-Ionizing Imaging Radar

Imaging Grid

160 × 160 × 128 · ~6 mm mesh spacing

Imaging Space

960 × 480 × 768 mm (L × H × D)

Power

~400 W · 120 V · 50–60 Hz · ±10%

Operating Environment

0°C to 40°C · ≤80% RH · Storage –10°C to 60°C

DESIGNED FOR

Healthcare / Emergency Departments

Resolve alerts at emergency department entrances and facility checkpoints while helping preserve patient dignity and throughput.

K–12 & Higher Ed

Maintain fast student entry workflows without invasive searches.

Stadiums & Public Venues

Rapid alarm resolution at high-volume entrances without bottlenecks.

Corporate & Executive Spaces

Discreet, professional screening for board meetings, shareholder events, and VIP gatherings.

Government & Critical Infrastructure

Additional layered awareness for secure facility access

Integrated with the Athena Security Platform

Apollo WDS AI Assisted X-Ray Baggage Scanner

Hospital Visitor Management AthenaVision AR Glasses

Athena AI Agents Telepresence Officer Incident Reporting

“Our patients absolutely feel safer coming in when they see the Athena Security WDS Platform in place.”

Brian Douglas

Security Lead, Unity Health

Ready to See What You're Missing?

Schedule a 30-minute demo with an Athena Security specialist.



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