HEXWAVE[™]

Walkthrough Detection of Concealed Weapons and Threats



The HEXWAVE™ system processes people quickly and effectively, providing touchless screening at the checkpoint or perimeter for enhanced protection, a layered defense, and a better experience.

The HEXWAVE portal scans for all types of concealed threats on person – non-metallic as well as metallic threats like 3D printed guns and improvised explosives.

- > Touchless, seamless, high throughput flow (700+ ppl/hr)
- > Metallic and non-metallic threats detected including liquid, powder, and plastic explosives, 3D printed ghost guns, etc.
- > No required divestment of benign items like cell phones, keys, wallets, jackets, steel toe boots, or other clothing
- > Real-time automatic go/no-go decision for operator indicating type and location of threat
- > Maintains **personal privacy** and no images are seen or stored
- > Portable, flexible, cost-effective deployment. Can be used indoors/outdoors (covered), attended/unattended, inside/outside of the checkpoint
- > Millimeter wave technology is proven safe and effective for people screening
- > Video-rate **3D imaging powered by AI** delivers enhanced threat detection
- > Switchable AI algorithms for operational flexibility and threat levels
- > Software updates provide **future proofing** to incorporate emerging threats and new requirements
- Integrates Smart IoT functionality for connectivity to existing security systems (VMS, access control)



The HEXWAVE system provides a layered defense to ensure safe, touchless advanced detection in many applications and venues types



- > Entertainment Venues
- Casinos
- Hotels
- Tourist Attractions
- Shopping Malls
- Office Buildings
- School Campuses
- Places of Worship
- Distribution Centers
- Government Buildings
- Air and Sea Ports



















FEATURES and SPECIFICATIONS





PHYSICAL SPECIFICATIONS

Panel Height - 1.86 m (73.3")

Panel Width - .91 m (36")

Panel Depth - 0.2 m (8.2")

Base Width - 1.11 m (43.8")

Base Depth - .66 m (26.1")

Weight - each panel is ~140 lbs (~63kg)

Wheelbase locks for stability

Optimal panel placement – 1.62 m to 1.82 m (64" to 72") apart (portal); 1.75 m (69") apart (S Configuration)

CONNECTIVITY

Ethernet (IEEE 802.3)

WIFI (IEEE 802.11 a/b/cg/n/ac)

System supports open standards for cyber security

ENVIRONMENTAL DATA

Unaffected by proximity to EMI or metal

Power Supply: 100 to 264 VAC, 47 to 63 Hz, 2000 VA

Operating Temperature: 42°F to 95°F/5°C to 35°C

Storage Temperature: 32°F to 113°F/0°C to 45°C

Relative Humidity: 20 to 80% (without condensation)

CERTIFICATION AND COMPLIANCE

Compliant with applicable FCC regulatory standards

Compliant with safety standard UL 62368-1:2019 Ed. 3

Compliant with applicable International Standards for electrical safety and EMC*

* in progress

