PATSCAN | Multi-Sensor Platform
Covert Weapon Detection Solutions

MULTI-SENSOR

PATSCAN™
MSG

CONCEALED WEAPON DETECTION GATEWAY

VIDEO

PATSCAN
VRS-D

VIDEO DISTURBANCE DETECTION

VIDEO

PATSCAN
VRS-W

VIDEO WEAPON DETECTION

THERMAL

PATSCAN
VRS-HS

HEALTH SAFETY MODULES

PATSCAN VRS

PATSCAN VRS

PATSCAN MSG

PATSCAN VRS

PATSCAN VRS

PATSCAN VRS

Entry Gate

POLICE

PatriotOne
TECHNOLOGIES

PATSCAN | Multi-Sensor Platform
Covert Weapon Detection Solutions

PatriotOne
TECHNOLOGIES
Deter | Detect | Defend

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PATSCAN | Covert Threat Detection
LAYERED MULTI-SENSOR SECURITY PLATFORM

NEXT GENERATION COVERT THREAT DETECTION

- Integrates Layers of Diverse Sensor Technologies.
- Deters, Detects & Defends Against Active Threats Before They Occur.
- Cost-Effective Network Uses Cognitive Learning Software.
- Secures Perimeters From Parking Lots to Building Interiors.

Saving Lives and a Way of Life | **PatriotOne**
TECHNOLOGIES

PATSCAN MULTI-SENSOR COVERT THREAT DETECTION PLATFORM

NEXT GENERATION SECURITY SOLUTION

MULTI-SENSOR :: PATSCAN MSG
CONCEALED WEAPON DETECTION SOLUTION

The PATSCAN MSG V1.0 FASTLANE Multi-Sensor Gateway is an effective method for covert threat detection of concealed weapons on people and in bags using AI machine learning coupled with multi-sensor technologies. The PATSCAN MSG FASTLANE Gateway can easily be concealed (such as in planters) and is cost effective. The solution offers non-invasive, touchless screening technology that is practical and safe. The multiple sensors allows the FASTLANE Gateway to discover weapon threats for immediate security notification while allowing normal pedestrian flow in and out of the building/venue.

FEATURES:
- **Detection:** Designed to detect weapons, such as rifles, semi-auto / assault / shotguns, etc ... as well as IEDs with significant metal shrapnel elements.
- **Performance:** Superior detection performance with low power.
- **Technology:** Uses passive dynamic technology to detect object signatures moving through the gateway or portal space (approximately 6' wide).

VIDEO :: PATSCAN VRS-W & VRS-D
VIDEO THREAT RECOGNITION

PATSCAN VRS-W (Weapons) and VRS-D (Disturbances) video recognition solutions use artificial intelligence coupled with video surveillance and active monitoring to alert authorized personnel to the presence of visible firearms and suspect inappropriate or aggressive behavior quickly and accurately. These real-time "elevated interest" occurrences are instantly flagged for predetermined responses based on internal facility protocols.

FEATURES:
- Detects weapons:
  - Revolvers & semi-automatic pistols
  - Shotguns & Rifles
  - Knives over 8"
- Detects aggressive behavior
- Identifies and tags protagonists
- Alerts Intrusions & break-ins
- Alerts authorized personnel earlier
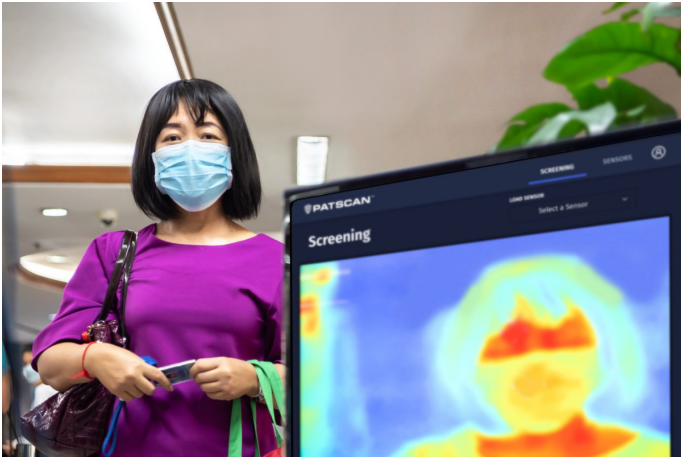- Provides evidentiary backup

NETWORK :: AI PLATFORM
ARTIFICIAL INTELLIGENCE SECURITY MANAGEMENT

The PATSCAN Platform integrates the power of artificial intelligence (AI) with diverse overlapping sensor and software solutions to provide powerful threat detection capability. Our data fusion enhances information sharing between related PATSCAN sensors to achieve revolutionary overall performance. Each sensor detects threat feature anomalies that are not expected to be present at specific locations or in everyday scenarios, such as threat object shapes, metallic anomalies, weapon, or disturbance images (i.e. fights), elevated or anomalous body temperatures and face mask compliance. The AI-driven platform further empowers and informs existing security infrastructure (cameras, access controls, alarms, etc.) and security personnel with enhanced situational awareness that will proactively improve response and ultimately save lives.

VIDEO :: PATSCAN VRS-T & HS
HEALTH & SAFETY MODULES

PATSCAN VRS-T Thermal module utilizes artificial intelligence (AI) to identify and analyze instances of contrasting body temperature. Anomalous detection outside a nominal temperature range results in an alert to onsite personnel for further action.

PATSCAN VRS-HS (Health & Safety) face mask compliance detection module uses computer vision analytics and video camera technology to detect if a person is wearing a face mask. Designed for deployment on single or multiple digital video camera networks to assist in preventing the spread of viral pathogens.

This is not a medical device. Screening should be confirmed by medical personnel.

VRS-T and VRS-HS modules are ideal for hospitals, business offices, event / sports venues, government buildings, retail, schools and universities and other locations where the public gathers, and health concerns are critical.

FEATURES:

VRS-HS
- Non-compliant use of face masks
- Used in lineups or checkpoints for compliance
- Face mask use against viral pathogens
- Aids Health & Safety protocol compliance

VRS-T
- Elevated body temperatures
- Temperature contrasts in lineups and at checkpoints
- Database factors to increase accuracy
- Automatically triggers alerts
- Provides evidentiary backup

EMERGING :: TECHNOLOGIES
IN DEVELOPMENT

RADAR – Second generation sensor integration into PATSCAN MSG Multi-Sensor Gateway. Formerly known as PATSCAN CMR, our upgraded system offers enhanced detection and identification of concealed weapons using AI / machine learning. Multiple active and passive magnetic and radar sensors are simultaneously employed. Allows for enhanced discovery and identification of known "weapon signatures" (i.e.: object shape – handgun, rifle, knife).

CHEMICAL: PATSCAN MCS Multi-Chemical Sensor (formerly PATSCAN STS) threat detection module provides reliable airborne threat detection. The sensor offers the most effective method for the detection, diagnosis and tracking of airborne trace explosives, chemical warfare agents and volatile organics. Detects airborne compounds with trace species sensitivity and delivers an immediate security notification when a suspect compound is identified.