WG Human Presence Detection System

The WG Human Presence Detection System detects unauthorised individuals hiding in vehicles or containers by sensing the vibrations caused by the human heartbeat.

The WG Human Presence Detection System operates in two modes: standard and enhanced, delivering superior performance in a variety of environments. The enhanced mode uses two additional ground sensors and upgraded software and offers active ground vibration cancellation, making it ideal for challenging operational environments such as busy border checkpoints, seaports and high traffic inspection areas. The system can be upgraded from standard to enhanced operating mode quickly and easily in the field with a retrofit kit and new software load.

It is ideal for border crossings, maritime ports, correctional institutions and portal/entries to high value facilities such as embassies, courthouses and other federal buildings.

STANDARD FEATURES

- Accuracy - Lower false alarm rates than any other available product
- Economy - Far less capital-intensive than dedicated vehicle/cargo X-ray machines
- Flexible cabling - Heavy duty connectors for maximum cable life
- Light, compact sensors - Twice the holding power of previous sensors
- Reliability - Accurate results in a variety of environmental conditions, including dry, dusty, wet and hot/cold environments
- Safety - No risks to operator or detected persons during operation
- Speed - Fast processing for maximum efficiency
- Superior data transfer - High-speed USB interface between the control box module and host computer
- Unmatched flexibility - Portable and industrial versions meet your environmental or operational requirements
**STANDARD MODEL**

**Components Standard Mode**
- 1 Host computer*
- 1 Control Box Module
- 1 AC Adapter: AC 100V-240V 50/60Hz
- 1 10’ (3m) USB Cable
- 4 50’ (15m) Sensor Cables (includes one spare)
- 3 Vehicle Sensors (includes one spare)
- 2 Ground Sensors (includes one spare)
- Null Modem RS-232 Cable

**Components Enhanced Mode**
- 1 Host computer*
- 1 Control Box Module
- 1 AC Adapter: AC 100V-240V 50/60Hz
- 1 10’ (3m) USB Cable
- 6 50’ (15m) Sensor Cables (includes one spare)
- 3 Vehicle Sensors (includes one spare)
- 4 Ground Sensors (includes one spare)
- Null Modem RS-232 Cable

**Software**
- Microsoft Windows Operating System
- WG Human Presence Detection Software (Standard or Enhanced version)
- Vehicle Logging and Reporting Database
- Desktop security software
- Current to Windows OS
- Output Signal Capability to be
- Integrated in Third party Security System

**Host Computer Specifications**
- The system is available in a variety of configurations, providing you with the flexibility to choose the product and platform that best meets your needs.

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**SEMI RUGGEDISED LAPTOP MODEL**

**Semi Ruggedised Laptop**

**Features**
- Partial magnesium alloy case with handle
- Shock-mounted, quick release hard drive
- Spill-resistant keyboard and touchpad

**Hardware**
- 15.4 inch Widescreen LCD display
- 13.3 inch Touch-screen display (optional)
- High performance computer
- 160 GB hard drive (or better)
- 1 GB system memory (or better)
- D/DVD drive

**Power Requirements**
- 100-240 VAC, 1.5A, 50/60 Hz

**FULLY RUGGEDISED LAPTOP**

**Features**
- Full magnesium alloy case with handle
- Shock-mounted, quick release hard drive
- Spill-resistant keyboard and touchpad
- Sealed all-weather design
- MIL-STD-819F and IP54 compliant

**Hardware**
- 13.3 inch LCD display
- Touch-screen display (optional)
- High performance computer
- 160 GB hard drive (or better)
- 1 GB system memory (or better)
- CD/DVD drive

**Power Requirements**
- 100-240 VAC, 1.5A, 50/60 Hz

**Desktop Workstation**
- 1 GB system memory or better
- 100-240 VAC, 1.5A, 50/60 Hz
- 17’’ LCD display, 160 GB hard drive or better
- CD/DVD drive
- High performance computer
- Keyboard / mouse
- Touchscreen display – optional
INDUSTRIAL WORKSTATION

Features
- Stainless steel enclosure
- NEMA 4X and IP66 compliant
- Corrosion resistant
- Water proof/dust proof
- Extreme temperature proof
- Shock and vibration proof
- Wall mountable

Hardware
- 15 inch active matrix TFT LCD display
- Touch-screen display (optional)
- High performance computer
- 160 GB hard drive (or better)
- 1 GB system memory (or better)
- CD/DVD drive
- Industrial silicone rubber keyboard with integrated pointing device
- Overall dimensions: 20” (H) x 24” (W) x 16” (D)/51cm (H) x 61cm (W) x 41cm (D)
- Weight: 100 lbs/45 kg

Power Requirements
- 100-240 VAC, 1.5A, 50/60 Hz

CABLE MANAGEMENT SYSTEM

- The Cable Management System offers a durable, protective and economic solution for cabling.
- 5 Reel enhanced system

Cables Features
- Ideal for indoor/outdoor use
- Retractable
- Slip-ring assembly
- Heavy steel construction
- Powder coat finish
- Cables pre-assembled to reel

Enclosure Features
- Ideal for indoor/outdoor use
- NEMA 4 and 12 rated
- Heavy steel construction
- Powder coat finish
- Storage area for electronics box and sensors

Standard Mode
- Number of cable reels – 3
- Dimensions - 111cm x 45cm x 53cm
- Weight - Approximately 90.9kg

Enhanced Mode
- Number of cable reels – 5
- Dimensions - 111cm x 45cm x 53cm
- Weight - Approximately 136kg