

The future of technology

Gen 2. The Next generation object detection and people screening technology. System features full-motion, real-time passive millimeter wave imaging capabilities. Empowering you to detect concealed threats sooner, minimize loss prevention more effectively, and virtually pat down and screen people in areas that you have not been able to search them before.

Gen 2 standoff passive millimeter wave imaging system offers security and loss prevention officials a quick and discrete method for detecting suspicious hidden items ... whether they're explosives, weapons, contraband, stolen electronics, or other items. The Gen 2 also reveals hidden liquids and gels. The Gen 2 millimeter wave image solution is the most effective high throughput people screening system available today to effectively detect these potential threats.

- Detects concealed objects in as little as 0.5 second
- Subjects walk through the screening area when deployed in two camera configurations
- Anatomical details are not revealed thereby eliminating personal private issues
- Completely passive system - no transmission of radiation or energy of any kind
- Seamless intergration facilitating remote operation and administration of man-traps
- Monitoring and detection displayed to the operator in real-time
- Provides stand-off detction of large explosives, liquids, gels and other ferrous and non-ferrous items



Features

- Imaging Capabilities - Metals, plastics, ceramics, composites, glass, liquids, gels, explosives, weapons, currency, tobacco goods and wood - including those commonly used to construct weapons and explosive devices
- Minimum object size - Imaged pixel size: approx. 5cm x 5cm (2in x 2in). Detection engine optimization approx. 7.6cm x 12cm (3.0in x 5.0in)
- Large object detection - Program system's detection engine to treat identification of large objects differently. Use systems alarm utility to configure and trigger specific actions upon detection
- Simultaneous processing - Detection engine processes multiple simultaneous detections. GUI display up to 3 detection or 'large object' icons at a time and features contiguous running event log
- Fully-integrated on board computer - Pentium based processor enables stand alone operation without external PC connection. Microsoft Windows XP Operating system integrates with local area networks for remote viewing and control via GEN 2 Application software and APLs
- Anti-tamper software - Applications actively prevent, detect and react to tampering and reverse engineering
- Image speed - MMW radiometer 4 to 12 frames per second (FPS); CCTV 30 FPS
- Detection engine indications - Tri-coloured box over location of detection on subject video image. Detection box features black outside line, a white middle line and one of the following colours as the inside line, determined by the user-defined detection settings : Blue - D2 level detection (warning) Yellow - D1 level detection (alarm) Red - large object detection. A corresponding tri coloured box also appears on the "Detection Status" area of the GUI with "D1, D2 or L" detection status icons.

Specifications

- Power Supply - External supply, 100 to 240 VAC, 47 -63Hz, 120W; Output 12 VDC, 10A
- Detector Millimeter wave frequency - 80 to 100 GHz (90GHz center frequency, 20 GHz bandwidth)
- Operating temperature - -10°C to 50°C (14°F to 122°F)
- Operating Humidity - 0 to 100% RH condensing (outdoor use)
- Dimensions (H x W x D) - 83.8 x 34.5 x 34.9 cm (33.0i x 13.5 x 13.7in) ex. mounting bracket
- Weight - Net approx. 39kgs (86lbs) ex. mounting bracket

Interfaces

- Analog Video output - NTSC or PAL, BNC connector
- Monitor Output - D-sub 15 (VGA) connector (1024 x 768 72Hz default)
- Control, setup & monitoring - 10/100 Ethernet, RJ45
- Peripheral Interface - Two USB 2.0; two IEEE 1394a (firewire)
- Keyboard/Mouse - Combined PS/2-type mini-DIN connector
- Discrete I/O - Position Phoenix connector, three user defined outputs (dry contact form C relay) and two user-defined inputs (opto-isolated)
- Audio - one 3.5mm Jack for Line out; one 3.5mm Jack for MIC in