Rapiscan WaveScan 200®

Rapiscan® systems

An OSI Systems Company
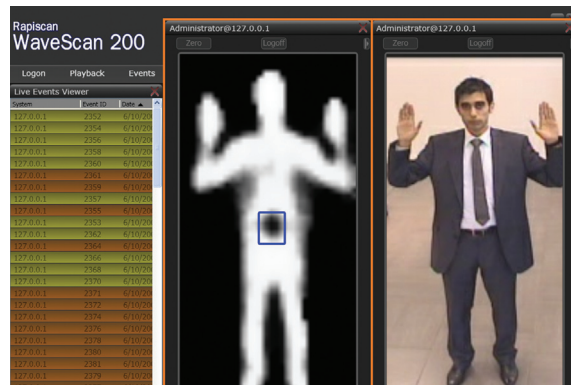
PEOPLE SCREENING

Walk-Through Screening

Quick and Effective

Privacy Protection

High Throughput

The **Rapiscan WaveScan 200**® uses passive millimeter wave technology to provide additional levels of flexibility and capability to address challenging personnel screening and object detection requirements. Designed for high throughput inspection, military, Homeland Security and commercial applications, the **WaveScan 200** can be used as a stand-off solution or combined with Rapiscan Systems' other screening and detection products to provide a fully integrated checkpoint system.

The **Rapiscan WaveScan 200's** technology is composed of a real-time Radiometric Scanner that images electromagnetic millimeter wave energy, an integrated full-motion video camera, on-board computer, and sophisticated, intelligent video detection engine. Using the **WaveScan 200** detection engine's capability your security screeners will be alerted and can pinpoint concealed objects without intrusive, time-consuming, personnel-intensive and potentially dangerous physical searches, while allowing security screeners to perform "virtual" pat downs from a distance without direct contact. The **Rapiscan WaveScan 200** provides an effective means to manage threats before they become harmful incidents.

The system's passive Radiometric Scanner can detect concealed objects by distinguishing between the millimeter wave energy naturally emitted by the human body and the energy of the concealed objects even when they're hidden beneath clothing. It accomplishes this without radiating subjects. Deployed as an stand-off application it will not cause claustrophobia and is a safe and discrete screening solution. Further, the **WaveScan 200** millimeter wave sensors do not image anatomical details, thus protecting privacy.

Rapiscan Systems' Graphical User Interface (GUI) is an easy to understand tool - operators can identify hidden objects without confusion or delay. With training, a **WaveScan 200** user can identify and locate hidden objects in realtime by observing event icons and detection boxes on a fullmotion video images. Each event's video and passive millimeter wave images are digitally archived for later review, analysis, or evidentiary use. The JPEG images stored are millimeter wave images with no anatomical detail, thereby addressing privacy concerns.

Features

- Detects concealed objects in as little as 0.5 seconds

- Supports walk-through screening

- Anatomical details not revealed thereby reducing personal privacy concerns

- Passive system — no transmission of radiation

- Integrates with remote operation and legacy checkpoint systems

- Provides standoff detection of large explosives, liquids and gels

Applications

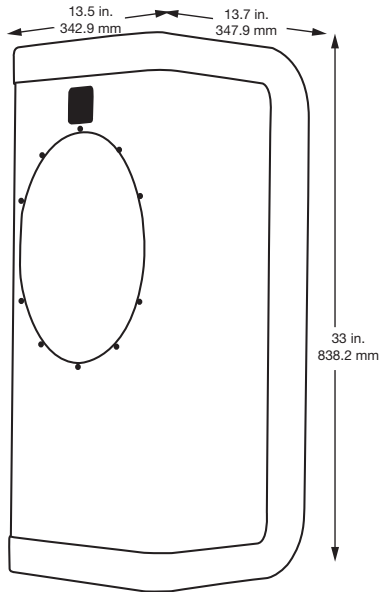**PERIMETER SECURITY**

INTEGRATED CHECKPOINT

CUSTOMS AND BORDER CONTROL

PILFERING, THEFT AND SMUGGLING PREVENTION

ONE COMPANY - TOTAL SECURITY

PEOPLE SCREENING

13.5 in.
342.9 mm

13.7 in.
347.9 mm

33 in.
838.2 mm

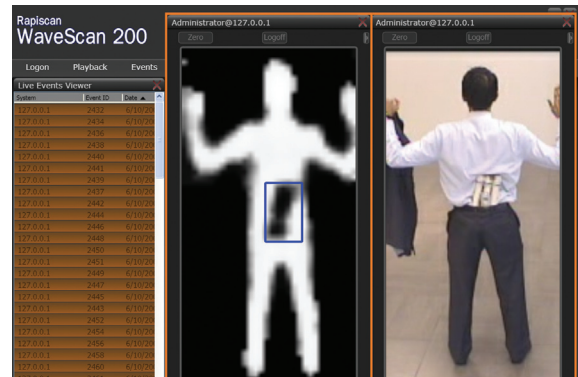| SPECIFICATIONS	
Power Supply	External Supply, 100 to 240 VAC, 47-63 Hz, 120 W; output 12 VDC, 10 A
Detector Millimeter Wave Frequency	80 to 100 GHz (90 GHz center frequency, 20 GHz bandwidth)
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Operating Humidity	0 to 100% RH condensing (outdoor use)
Dimensions (H X W X D)	83.8 cm x 34.5 cm x 34.9 cm (33.0 in x 13.5 in x 13.7 in) excluding mounting bracket
Weight	Net: approx. 39 kg (86 lbs) - excluding mounting bracket

INTERFACES	
Analog video output	NTSC or PAL, BNC connector
Monitor output	D-sub 15 (VGA) connector (1024 x 768 72 Hz default)
Control, setup and 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	10 Position Phoenix™ connector; three user-defined outputs (dry contact Form C relay) and two user-defined inputs (opto-isolated)
Audio	One 3.5 mm jack for LINE OUT; one 3.5 mm jack for MIC IN

CUSTOMER SUPPORT SERVICES: Our team is dedicated to providing a prompt, effective and personalized response that exceeds your expectations. With spare parts inventory and skilled technicians all over the world, you can be certain Rapiscan Systems will always be prepared with a solution to address your requirements. By measuring response time, parts delivery and support status, our team embraces a customer focused philosophy to ensure continual improvement in customer support, products and services.

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With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice.

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distributor stamp

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