GEN2 Technology

Microsemi

Protecting People, Property and Privacy

Description

GEN 2® is the base technology for all Microsemi scanning systems. This system enables security screeners to perform manual checks quickly and efficiently without physical contact. It also has a small footprint and easily integrates with existing security measures.

APPLICATIONS

- Physical security checkpoints
- Loss prevention entry/exit screening
- Indoor use only

SENSITIVITY

- Metals (ferrous and non-ferrous)
- Non-metals
  - Plastics, liquids, gels
  - Ceramics, powders, explosives
  - Currency, drugs
  - Media and electronics

EASE-OF-USE

- Operationally ready in just minutes
- Self-contained, including rechargeable power supply
- Simplified controls and indicators
- Fully automatic threat detection

NETWORK FRIENDLY

- Wireless network configuration
- Standard TCP/IP communications for easy integration with existing security infrastructure

COST-EFFECTIVE

- Very low maintenance costs
- No consumable parts to purchase
- Low operator training expense

RELIABLE

- High MTBF
- Environmentally sealed

Reveals no anatomical details, protects privacy

Microsemi Corporation

GEN2 Technology

Microsemi

Protecting People, Property and Privacy

Our Technology

Microsemi's Technology:
Safe, Effective and Private

Microsemi's patented solutions are all built using passive millimeter wave (MMW) technology. This is a critical distinction, as this is the only type of people screening technology that overcomes the limitations, invasiveness and safety issues of other systems, including x-ray and backscatter machines, metal detectors, and active whole body imaging systems.

Unlike active MMW systems, Microsemi's passive MMW solutions detect objects during people screening without radiating subjects, posing no health risks. The systems simply measure the naturally occurring energy emitted by the person. Microsemi's passive MMW solutions are safe for everyone—including children, pregnant women, and people with pacemakers.

Equally important to safety is the need to protect personal privacy. Microsemi's passive MMW solutions do not reveal anatomical details, so
privacy is protected. In contrast, active MMW systems radiate energy to the subject, penetrating clothing and creating a detailed 3D image of the body.

With Microsemi's passive MMW technology solutions, there is no need to compromise between security and protecting the public's health and right to privacy.

Specifications

- Power Supply: Universal input can accept 100-240VAC. External AC/DC adapter supplied

- Power Consumption: 75-100 watts typical

- Detector Millimeter Wave Frequency: 80 to 100 GHz (90 GHz center frequency, 20 GHz bandwidth)

- Hardware Operating Temperature: 0°C to 50°C (32°F to 122°F)

- Software Operating Temperature: Ambient air temperature not to consistently exceed 26°C (80°F)

- Hardware Operating Humidity: 0 to 95% RH (non-condensing)

- Dimensions (H x W x D): 83.8 x 34.5 x 34.9 cm (33 x 13.5 x 13.7 in)

- Weight: Approximately 39 kg (86 lbs.) excluding laptop and backdrop

- Shipping Dimensions (H x W x D): 64.8 x 61.9 x 106.5 cm (22.5 x 42 x 24.4 in)

- Shipping Weight: Approximately 57 kg (125 lbs.)

Interfaces

- Monitor output: D-sub 15 (VGA) connector (1024 x 768 Hz default)

- Network: 10/100 Ethernet, RJ45

- Peripheral Interface: Two USB 2.0 ports, PS/2 Mouse/Keyboard

- Laptop: Intel Core 2 Duo, 2.5GHz, 2GB RAM

Additional Information

Visit our website for more detailed information on GEN2 and other security solutions from Microsemi: www.microsemi.com

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