SafeView™
Advanced Imaging Technology

The SafeView people-screening system reveals concealed threats effectively and safely

L-3's SafeView enhances checkpoint security in any secure environment - for asset protection, corrections, manufacturing, retail and warehousing facilities, border crossings, courthouses, embassies, and other facilities.

The SafeView is a millimeter wave personnel screener that quickly creates a 3-D black and white image of the subject being scanned. The system's imaging tools enable trained analysts to locate a broad range of threats and contraband.

Depending on the object size, location, and composition, the analyst can locate many types of concealed weapons, explosives, and contraband made of liquids, gels, plastics, powders, metals, and ceramics. The SafeView offers advanced imaging—without any health risks. The SafeView does not use X-rays or ionizing radiation.

Algorithm driven auto-assist and auto-detect options are available. The SafeView can also be configured for automatic target detection (private) screening.

- Optional "image-on-demand" mode enables operator to request an image analysis as the situation warrants.

The SafeView can be upgraded in the field to take advantage of new features or threat algorithms.

APPLICATIONS
- Corrections
- Asset protection
- Loss prevention
- Threat detection
- Contraband detection

The L-3 Advantage. The SafeView underscores L-3's commitment to improve security through the advancement of innovative technologies for diverse, complex and demanding applications.

Enhanced Security:
Outstanding Performance

Thieves, terrorists, smugglers, and other criminals constantly search for clever ways to conceal threats and contraband. The SafeView's advanced technology eliminates the ambiguity of hand searches and reveals a range of objects that metal detectors simply cannot. Based on a less than 1.5-second scan, the system reveals many metallic and non-metallic threats and contraband – both low and high density materials. The SafeView also guards against the theft of assets, confidential information, valuables or intellectual property from secure locations.

SafeView is designed to reveal smaller and more difficult objects. A quick scan provides security personnel with the data they need to confidently pass an individual through a checkpoint.

- Algorithm driven auto-assist and auto-detect options are available.
- Can be configured for automatic target detection (private) screening, symbol display or total scan.
- Optional "image-on-demand" mode enables operator to request an image analysis as the situation warrants.
- Less than 1.5-second scan time for a complete multi-directional view, productivity up to 200 people per hour.
- Reduces need for time-consuming and intrusive pat-down searches.

Health and Safety:
Safe Radio Wave Technology

The SafeView's sensing mechanism is based on active millimeter-wave technology using safe radio waves that pose no health and safety risks. These signals pass through all types of clothing but do not penetrate the body. The reflected waves are captured by the system's sensors. The SafeView does not use ionizing radiation such as X-rays and is thousands of times less powerful than other commercial radio frequency devices such as cell phones. The SafeView's millimeter wave technology has been extensively evaluated by regulators worldwide including the U.S. Food and Drug Administration, Health Canada and the Dutch Institute of Applied Science (TNO), and found to be totally safe.

Preserving Privacy:
Multiple Levels of Protection

During the scan, reflected waves are captured by the system's sensors and processed to create a series of images from multiple views, resulting in a 3-D image of the subject. The SafeView offers multiple privacy options that can be customized to support customer-specific operational procedures.

- **Images:** Analysts see a 3-D black and white image.
- **Privacy:** The system provides options that allow blurring of the face and other areas of the body.
- **Remote Monitoring:** Enables analysts to be stationed in separate rooms, where they cannot see the individual being screened. These analysts can then alert security personnel at the checkpoint of any suspicious objects so a directed search can be performed.
- **Gender Routing:** Images can be routed to same gender analysts.
- **Non-Invasive:** Reduces the need for intrusive hand searches.

Efficient Operations:
Unsurpassed Throughput

When it comes to throughput, there's no match for the rugged, reliable SafeView. The system requires less than 1.5 seconds to scan an individual for a complete multidirectional view.

The SafeView eliminates the need for unnecessary and time-consuming physical searches that can limit throughput levels. In addition to being more invasive and stressful for the individuals being screened, these hand searches place a high degree of physical stress on security personnel. With the SafeView, there's no need for the repetitive bending and stretching required for physical inspections.
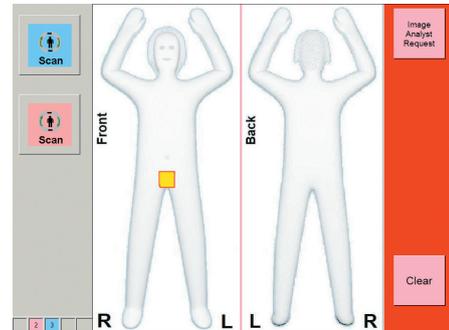
Highly Configurable:
Operational Simplicity

The SafeView is a single pose imaging system that accommodates the throughput needs of high-traffic, high-volume sites. The system equiped with installation tool and can easily be configured to meet specific throughput and facility requirements, from single scanner and single analyst combinations to dual workstation configurations. Depending on space requirements, operator scan controls can be set up remotely or directly adjacent to the scanner. The image analyst workstation provides screeners with a powerful, intuitive and easy-to-use operating interface. The SafeView's transparent walls enable security experts to keep personnel in view at all times. Storage supports one image per person.

The analyst evaluates the scan with a powerful and easy-to-use image analysis workstation.

Return on Investment:
Upgradeable Platform

The SafeView systems can be upgraded in the field to take advantage of new software features or threat algorithms.

If desired, an optional Image-On-Demand mode exists where the SafeView can be operated in private (ATD) mode and the operator can request an image analysis as the situation warrants.

Features

Standard Features

- Transparent walls
- Rigid construction
- Configurable operating modes
- Remote analyst workstation

Optional Features

- Dual workstation configurations
- Auto-assist and auto-detect mode options
- Can be figured for automatic target detection with image-on demand mode

Scanning Features

- 3-D rotating image of the scan
- Adjustable lightening, brightness and contrast
- Front and back scan displayed side by side
- Zoom

Physical Specifications

Inner walls:	Clear polycarbonate 3 mm
Outer walls:	Fiberglass and clear polycarbonate 4.5 mm
Height:	2.36 m (7' 9")
Width:	1.5 m (4' 11")
Depth:	2.27 m (7' 5")
Weight:	681 kg (1500 lbs)
Frequency:	24 - 30 Ghz
Power:	100 VAC - 240 VAC / 1900 Watts Peak 50 hz - 60 hz
Temperature:	0° C to 35° C (32° F to 95° F)
Humidity:	10 – 90% non-condensing

Safety

• Non-ionizing radio waves

• Interior lighting

Analyst Workstation

Customized Windows®-based PC

2.36 m (7'-9")

1.50 m (4'-11.1")

2.27 m (7'-5.3")

Security & Detection Systems