

Best-in-class resolution in a flexible, hard-working X-ray security system.

The durable PX 6.4 Checkpoint X-ray System delivers an unbeatable combination of excellent image quality, high throughput, and flexibility. Suitable for varied applications and settings, the PX 6.4 allows operators to efficiently and accurately screen briefcases, backpacks, parcels, packages, and other small to medium-sized objects. Superb imaging capabilities facilitate the rapid detection of multiple threats,

including weapons, narcotics, explosives, and other contraband. With three conveyor lengths available, the PX 6.4 accommodates diverse space requirements, including smaller footprints. From passenger terminals and government buildings to high-risk corporate facilities, the versatile PX 6.4 provides a reliable and economical solution anywhere checkpoint security is a priority.



Monitor included but not shown

APPLICATIONS

- Threat detection
- Contraband detection
- Regulatory compliance/inspection
- Manifest and declaration verification



The L-3 Advantage. Building on the foundation of L-3's industry-leading, technological innovations, the PX 6.4 inspection system offers outstanding detection, performance, and reliability across the spectrum of checkpoint security applications.

Superb Image Clarity: Get the Whole Picture

The advanced imaging capability of the PX 6.4 raises the standard for medium-sized X-ray screening systems. Powerful imaging technology and analysis tools allow users to quickly and accurately spot threats and contraband. L-3's patented TRI-MAT imaging discriminates between organic/inorganic materials and metallic objects.

Remarkably easy to use, the user interface gives operators and analysts the tools necessary to generate precise, richly detailed images. With a full complement of powerful image enhancement tools at their fingertips, operators can readily examine questionable objects and quickly determine the presence of true threats. The system's innovative "slide and see" continuous contrast adjustment capability lets screeners emphasize an object's smallest details, regardless of density. Its unique Best Image First™ feature automatically selects and presents the optimal view, enhancing throughput by reducing repetitive image adjustments.

Operational Flexibility: Go Configure

Featuring easy-to-configure software-based controls and tools, the PX 6.4 easily adapts to diverse and demanding operational requirements and evolving security challenges.

- The PX 6.4 conveyor is available in short, medium, and long lengths to accommodate varied space requirements

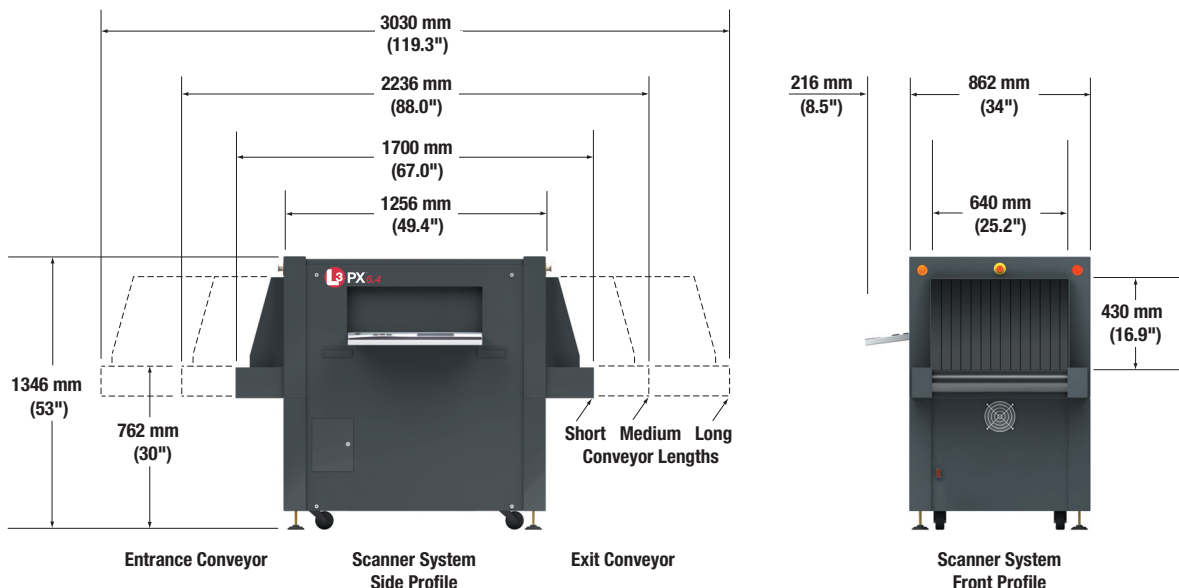
- Bi-directional operation allows two-way screening for facilities requiring inspection upon entering and exiting, such as prisons and enterprises with high theft potential.

The Operator Interface: Intuitive Simplicity

L-3's patented operator interface provides a simple, intuitive, and flexible way for users to control the system and make the most of imaging information. Ergonomically designed to promote rapid learning and ease of use, the interface combines three-button conveyor control with a touch-sensitive pad that allows continuous heads-up operation using icons displayed on the viewing screen. The system's console is ergonomically engineered to minimize operator fatigue and reduce the physical stresses associated with prolonged screening.

Networking: Bringing It All Together

The fully networkable PX 6.4 streamlines decentralized and remote monitoring, reporting, and system management to help keep operational costs in line. Supervisors with appropriate network privileges can access and control any scanner or workstation on the LAN to send and receive bag images, TIP images, configuration settings, operator reports, diagnostics, and operational metrics. This network capability, common to all L-3 PX second generation systems, has been designed to exceed current and emerging network requirements.





L-3's patented operator interface (remote console option shown) combines 3-button conveyor control with a touch-sensitive pad that allows continuous heads-up operation using icons displayed on the viewing screen

Operator Tools: Reliability at Your Fingertips

The PX 6.4 delivers an array of features that give operators the information they need to hold or clear suspicious items.

- Proven image analysis tools allow operators to easily distinguish between organic and inorganic materials and objects having a similar appearance but different chemical composition.
- User-friendly image enhancement tools, including continuously adjustable contrast, sharpening, and color overlay, make it easy to optimize images for maximum detection capability.
- Threat Image Projection (TIP) option inserts fictitious threat images at periodic intervals and tracks operator responses, motivating operators to stay alert and allowing supervisors to assess the effectiveness of screening operations.
- Customizable, user-defined Image Archiving stores up to 20,000 images.

Features

Imaging Features

- Continuously variable contrast adjustment
- Tri-material discrimination
- Transparent Color™
- Best Image First™
- Organic/inorganic stripping
- Metallic item removal
- Pseudo-color overlay
- True 32-bit color processing
- Edge enhancement
- Zoom 2X – 16X or continuous zoom to 64X
- Reverse video
- Threat alert
- Density alert

Standard Features

- Compact design
- Uninterruptible power supply (UPS) and input line filter
- Medium conveyor length (2236 mm / 66")
- Patented heads-up operator display interface with touch pad control
- Entry/exit tunnel shrouds
- Configurable operator interface
- 17" color monitor
- Operator Assist® (OA)
- Image Archiving (IA)
- Side-mounted operator interface
- Infrared operator-proximity sensor
- Network ready

Optional Features

- 22" color monitor
- 19" flat panel display
- Operator-proximity sensor footmat
- Roller tables and slide tables in modular 0.5 m and 1.0 m lengths
- Innovative bin return system in modular 1.0 m lengths
- Message display center
- Conveyor length options: short (1700 mm / 67"), long (3030 mm / 119")
- Threat Image Projection (TIP)
- External UPS
- Color printer
- Remote operator interface (5 m, 30 m, and 100 m)
- Ruggedized Mobility Kit (RMK): 152.4 mm (6") locking shock-absorbed wheels, system tie-down/ hold-down points. Typically used with short conveyor
- Network supervisor
- Network TIP server

General

Tunnel Opening: 640 mm (25.2") wide x
430 mm (16.9") high

Conveyor Height: 762 to 812 mm (30" to 32")

Power Requirements: 1Ø 100-240 VAC ±10%
50/60 Hz ±1% 1.0 KVA max

Conveyor Speed: 0.22 m per sec +2/-8% @ 50 Hz
0.26 m per sec +2/-8% @ 60 Hz

Conveyor Capacity: 100 kg (220 lbs)

X-ray Source

Voltage: 150 kVp constant potential tube

Duty Cycle: 100%

Cooling: Sealed oil bath

Beam Orientation: Vertically upward

Detector Configuration: 1152 photodiodes in L-shaped array

Physical Specifications

Height: 1346 mm (53")

Width: 862 mm (34")

Length: Short conveyor: 1700 mm (67")
Medium conveyor: 2236 mm (88")
Long conveyor: 3030 mm (119.3")

Weight: Approx. 522 kg (1150 lbs) with
medium conveyor



L-3 Communications Security and Detection Systems

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Environmental

Operating Temperature: 0° C to 40° C (32° to 104° F)

Storage Temperature: -20° C to 50° C (-4° to 122° F)

Humidity: 0 to 95%, non-condensing

Airborne Noise Level: <70 dB (A)

Imaging and Performance (Preliminary)

Wire Resolution: 38 AWG guaranteed, 40 AWG typical

Penetration: 32 mm of steel

Contrast Sensitivity: 4096 gray level stored

Display Monitor: 17" CRT
Optional 21" CRT
Optional 19" flat panel

Computer Processor: Intel Pentium *

Throughput: >750 bags/hour (continuous mode)

Radiation Safety

All L-3 Communications Security and Detection Systems' X-ray systems are certified to be in full compliance with all radiation safety requirements and external emissions limits as specified in the United States Code of Federal Regulations, Title 21, Section 1020.40 (21CFR1020.40) that apply to our products. Typical leakage radiation is less than 0.1mR/hr.

Operational Standards

- Complies with the U.S. Code of Federal Regulations:
 - FAA 14 CFR 108.17 Use of X-ray Systems
 - FAA 14 CFR 129.26 Use of X-ray System
 - CDRH 21 CFR 1020.40 Cabinet X-ray Systems
- UL/CSA NRTL certification to UL 61010-1 and CE compliant
- Complies with CDRH (FDA) requirements, including all labelling requirements.
- Film Safety: Ten passes of ISO 1600/33DIN high-speed photographic film
- Designed for TIP1A/TIPII/STIP compliance

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