

PX™ 10.10-MV

Non-Palletized Freight X-ray System



Powerful, Modular, Configurable

Serving the needs of airport baggage and postal facilities, freight forwarders and other air cargo break bulk screeners, the PX 10.10-MV handles a wide variety of packages and freight, including oversized/out-of-gauge cartons and irregularly shaped items.

The PX 10.10-MV offers imaging performance and flexibility in a one meter tunnel. The system combines an optimal belt height and imaging ratio delivering high performance imaging and minimizing the need for manual handling issues. The PX10.10-MV has a vertical geometry primary view with an optional secondary view module that is horizontal. The system also comes standard with Leidos' latest high-current X-ray source. The combination of vertical geometry and high-powered tank deliver high penetration, image

resolution and quality to facilitate the operator's ability to rapidly detect multiple targets including weapons, narcotics, explosives and other contraband.

The system boasts a modular architecture with segments that can be wheeled individually through a standard doorway and quickly reconnected – allowing the system to be deployed in many areas previously only accessible to much smaller units. This modular architecture also makes it easy to add a second view so customers can choose a dual-view configuration or a single-view system that can later be upgraded in the field.

With the multi-language support option, operators can interact with a system that speaks their native language.



APPLICATIONS

- › Visual threat detection
- › Manifest and declaration verification
- › Contraband detection
- › Theft prevention



SPECIFICATIONS

GENERAL

Dimensions

Single-view:

3748 mm (147.6") L x 1244 mm (49") W
x 1773 mm (69.8") H

Dual-view:

4448 mm (175.1") L x 1654 mm (65.1")
W x 1773 mm (69.8") H

Tunnel Opening:

1013 mm (40") W x 1016 mm (40") H

Conveyor Height:

607 mm (23.9") – can be inclined to
496 mm (19.5") if required

Power Requirements:

1Ø 100-240 VAC ±10% 50/60 Hz ±1%
1.5 KVA max

Conveyor Speed:

230 mm per second (9.05" per second)

Conveyor Capacity:

200 kg (440 lb) Option: 300 kg (660 lb)

Weight

Single-view: approx 1321 kg (2914 lbs)

Dual-view: approx 1700 kg (3740 lbs)

Modular Construction:

Each module is built with a steel
frame and panels on casters.
Individual modules can pass
through a standard doorway.

X-RAY

Source: 160 kVp high current

Duty Cycle: 100%

Cooling: Sealed oil bath

Beam Orientation

Single-view: Vertically upward

Dual-view: Vertically upward
and horizontal

X-ray Sensor(s):

1664 photodiodes per view in
L-shaped folded array configuration

IMAGING & PERFORMANCE

Resolution:

38 AWG standard, 40 typical

Penetration:

40 mm of steel standard,
42 mm typical

Display Monitor:

22" high-resolution LCD

ENVIRONMENTAL

Operating Temperature:

0°C to 40°C (32°F to 104°F)

Storage Temperature:

-20°C to 50°C (-4°F to 122°F)

Humidity: 95% non-condensing

Airborne Noise Level: <70dB (A)

STANDARD FEATURES

- › Uninterruptible power supply (UPS) and input line filter
- › Adjustable conveyor from 612 mm (24 in) can be inclined to optimize freight handling
- › 22 inch LCD monitor
- › Heads-up operator display interface with touch pad control
- › Configurable operator interface
- › Operator Assist® (OA)
- › Image Archiving (IA)
- › Network ready
- › Multi-language support

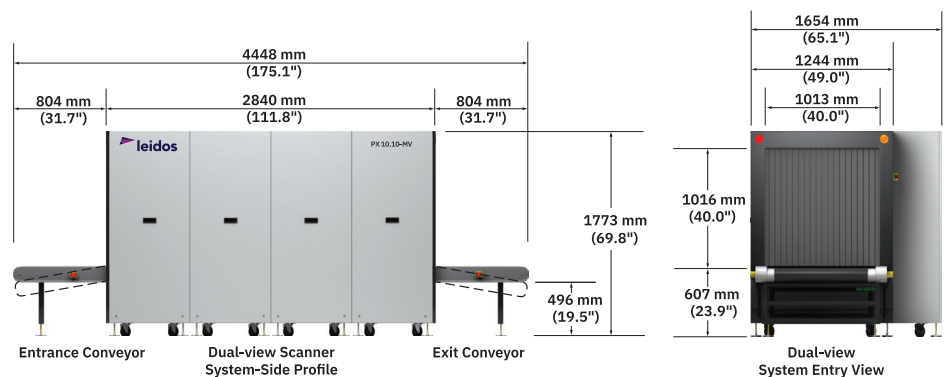
OPTIONAL FEATURES

- › Operator-proximity sensor foot mat
- › Threat Image Projection (TIP)
- › EU-approved TIP libraries
- › External UPS
- › Remote operator interface (5 m, 30 m, and 100 m)
- › Increased conveyor capacity (300 kg)
- › Additional multi-language support available upon request

RADIATION

Compliant with USFDA, Center for Devices and Radiation Health Standards for Cabinet X-ray Systems (21CFR1020.40). Typical leakage radiation is less than 0.1 mR/hr compared to maximum of 0.5 mR/hr permitted by the federal standard. Operational Standards

- › CDRH 21 CFR 1020.40 Cabinet X-ray Systems and maximum leakage radiation less than 0.1mR/hr (1µ Sv/hr)
- › NRTL certified to ANSI/UL 61010-1, CAN/CSA 22.2 No.61010-1 and CE compliant
- › Designed for TIP1A/TIPII/STIP compliance



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leidos.com/security-detection