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.
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.

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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