

PXTM 15.17-MV 200

Palletized Freight and Cargo X-ray System



Security & Detection Systems

Accurate, multi-view screening of palletized freight

Designed as the ideal freight screening solution for air cargo, L-3's PX 15.17-MV 200 can also be used in other environments such as seaports, warehouses, manufacturing centers and military bases. The system reduces the need to unpack contents for inspection, accelerating screening of consolidated cargo in skids and pallets* while maintaining the highest levels of security. With high-powered scanning, convenient operator controls and real-time image manipulation, operators have the comprehensive information and tools needed to quickly identify explosives, weapons, drugs and misrepresented goods. Operator proficiency is also ensured with the Threat Image Projection (TIP) feature.

Superior penetration and image quality is ensured by L-3's 200 kV X-ray source. The system is highly configurable, allowing

customers to choose either a dual-view configuration or a single-view system that later can be upgraded in the field. The PX 15.17-MV 200 includes a heavy-duty conveyor with narrow pitch rollers expressly designed to facilitate easy loading and unloading of pallets via a forklift.

Compared to smaller and less powerful X-ray systems, the network-ready PX 15.17-MV 200 greatly reduces the number of pallets and skids that need to be broken down for screening, improving the efficiency of the inspection process. By maintaining the integrity of more consolidated freight, the system makes it easier to confirm the contents of a shipment, detect tampering and facilitate secure storage.



Monitors included but not shown

APPLICATIONS

- Threat detection
- Manifest & declaration verification
- Contraband detection
- Theft prevention



SPECIFICATIONS:

GENERAL

Dimensions:	7922 mm (311.9") L x 2591 mm (102.0") W x 2860 mm (112.6") H
Tunnel Opening:	1501 mm (59.1") W x 1702 mm (67.0") H
Conveyor Height:	374 mm (14.7")
Power Requirements:	110 VAC: 96-132 VAC, 60 Hz, 30 Amp max 220 VAC: 183-253 VAC, 50 Hz, 20 Amp max
Conveyor Speed:	0.1 m per sec (20 ft per min) in either direction
Conveyor Capacity:	2000 kg (4400 lb) evenly distributed load
Weight:	4900 kg (10802 lb)

X-RAY

Source:	Dual 200 kVp
Duty Cycle:	100%, No warmup required
Cooling:	Sealed di-electric oil bath with forced air
Beam Orientation:	Vertically downward and horizontally sideward
X-ray Sensors:	Dual 2176 channels in a folded array (L-shaped) configuration.

IMAGING AND PERFORMANCE**

Resolution:	38 AWG standard, 40 typical
Penetration:	50 mm of steel standard, 52 mm typical
Display Monitor:	Dual 25" high-resolution LCD monitors

ENVIRONMENTAL

Operating Temperature:	0° to 40° C (32° to 104° F)
Storage Temperature:	-20° to 60° C (-4° to 140° F)
Humidity:	Up to 95% non-condensing

STANDARD FEATURES

- Threat Image Projection (TIP)
- Operator Assist® (OA)
- Real-time image manipulation
- Image Archiving (100,000 images)
- Network ready
- Low conveyor height
- Configurable powered entrance and exit conveyors
- 0.5 in. tunnel roller spacing
- Push-button interface
- Multi-language support (Arabic, Chinese, French, Spanish)

OPTIONAL FEATURES

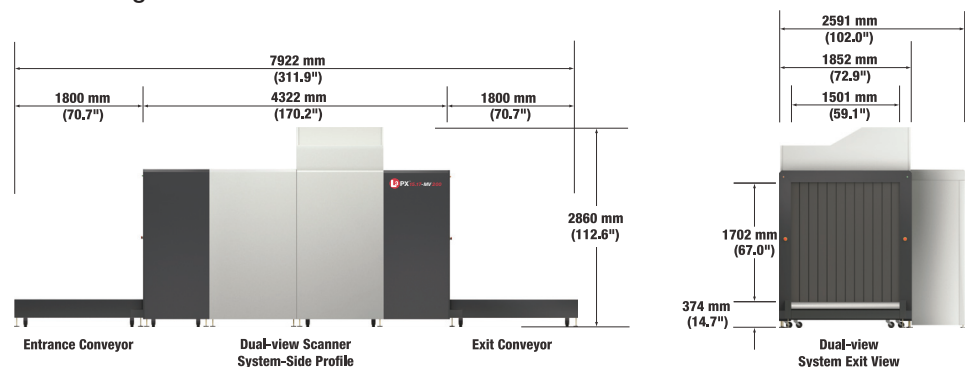
- Increased conveyor capacity to 3000 kg (6614 lb) evenly distributed load
- Extended entry/exit roller tables (0.5 m increments)
- Supervisor workstation
- Suspect search station
- Climate kit (warm or cold)
- Additional multi-language support available upon request

RADIATION SAFETY

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.

DESIGN POLICY

L-3 Communications Security & Detection Systems reserves the right to change specifications in the course of continuous improvement. Specifications are provided for reference only and actual equipment may differ slightly from the description given. Typical dimensions are within $\pm 5\%$ of nominal values.



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L-3 Security & Detection Systems reserves the right to adjust technical specifications as a result of continuing product developments.