

# PX<sup>TM</sup> 18.18-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 18.18-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, pallets\* and ULDs\* 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 or misrepresented goods – even in densely packed ULDs. 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 can later be upgraded in the field. The PX 18.18-MV 200 features a low-height, 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 18.18-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 2895 mm (114.0") W x 3160 mm (124.4") H
Tunnel Opening:	1803 mm (71.0") W x 1804 mm (71.0") H
Conveyor Height:	374 mm (14.7")
Power Requirements:	110 VAC: 96-132 VAC, 60 Hz, 30 Amp max 220 VAC: 170-260 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:	6125 kg (13503 lb)

### X-RAY

Source:	Dual 200 kVp
Duty Cycle:	100%, Nowarm up required
Cooling:	Sealed di-electric oil bath with forced air
Beam Orientation:	Vertically downward and horizontally sideward
X-ray Sensors:	Dual 2304 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

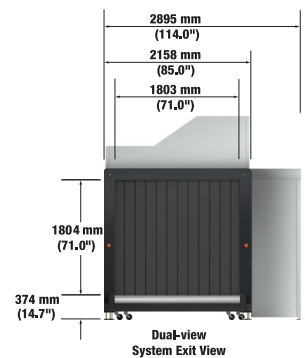
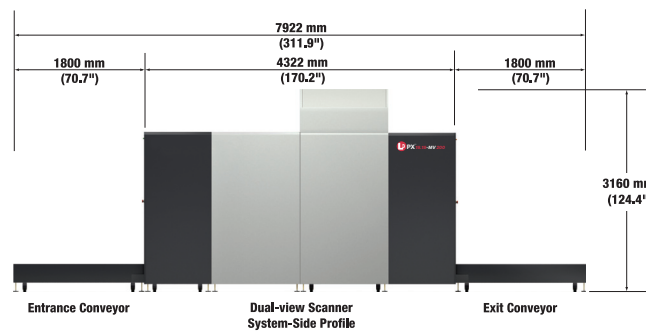
- Increased conveyor capacity to 3000 kg (6614 lb) evenly distributed load
- Extended entry/exit roller tables (0.5 m increments)
- Supervisor workstation
- Suspect search station
- Climate kit (warm or cold)
- Additional multi-language support available upon request

### 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 ± 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.*

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\* Subject to applicable regulatory requirements  
\*\*With L-3 standard test piece