

PX™ 18.18-MV 320

Palletized Freight and Cargo X-ray System



Security & Detection Systems

Accurate, multi-view screening, without breaking up the pallet

Designed as the ideal freight screening solution for air cargo, L-3's PX™ 18.18-MV 320 can also be used in other environments such as seaports, warehouses, manufacturing centers and military bases. The system eliminates 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-energy 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.

Best-in-class penetration and image quality is ensured by L-3's 320 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 320 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 systems that require pallets to be broken down prior to screening, the network-ready PX 18.18-MV 320 greatly accelerates the inspection process. By maintaining the integrity of the pallet, the system makes it easier to confirm the contents of a shipment, detect tampering, facilitate storage and more easily ensure security.



Monitors included but not shown

APPLICATIONS

- Threat detection
- Manifest & declaration verification
- Contraband detection
- Theft prevention
- Regulatory compliance/inspection



SPECIFICATIONS:

GENERAL

Dimensions:	11164 mm (439.5") L x 3105 mm (122.2") W x 3143 mm (123.7") H
Tunnel Opening:	1810 mm (71.3") W x 1807 mm (71.1") H
Conveyor Height:	337 mm (13.3")
Power Requirements:	220 VAC: 183-253 VAC, 50 Hz, 130 Amp max
Conveyor Speed:	0.2 m per sec (40 ft per min) in either direction
Conveyor Capacity:	3000 kg (6614 lb) evenly distributed load
Weight:	16000 kg (35274 lb)

X-RAY

Source:	Dual 320 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 2304 channels in a folded array (L-shaped) configuration

IMAGING AND PERFORMANCE**

Resolution:	38 AWG standard, 40 typical
Penetration:	75 mm of steel standard, 80 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

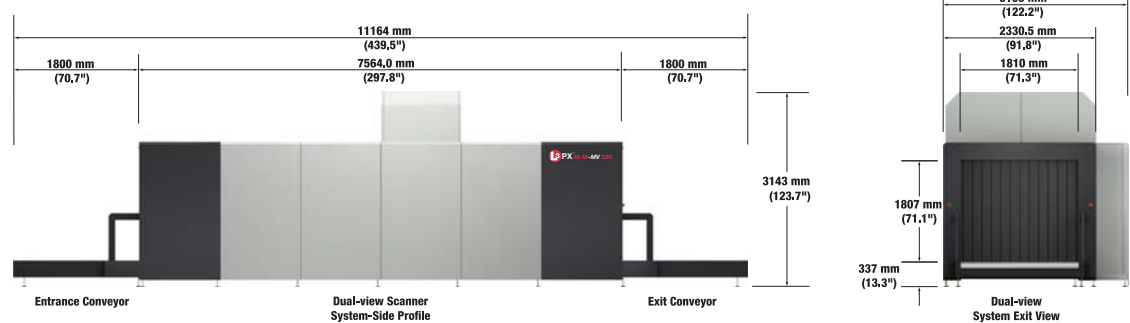
- Extended entry/exit roller tables (0.5 m increments)
- Supervisor workstation
- Suspect search station
- Climate kit (warm or cold)
- Additional multi-language support available upon request

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.



Security & Detection Systems

Website:	www.L-3com.com/sds
Email:	inforequest.sds@L-3com.com
Americas:	Tel: +1.781.939.3800, Toll Free: 1.800.776.3031 (US only)
United Kingdom:	Tel: +44 (0) 1344 477900
Asia:	Tel: +86 10 5976 1616
Australia:	Tel: +61 3 8645 4500
Middle East:	Tel: +971 4 609 1906

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

L-3 has made all reasonable efforts to ensure that the information in this document is accurate and complete, and disclaims any and all warranties for such accuracy and completeness, and is proprietary. This brochure consists of L-3 Communications Corporation general capabilities information that does not contain controlled technical data as defined within the Export Administration Regulations (EAR) Part 734.7-11.

© 2012 All rights reserved. L-3 Communications, Security & Detection Systems Inc.
PX18.18-MV 320_DS_14MAR12revB

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