PX-160PCS

Pallet and Cage Screening X-ray System

L3 communications Security & Detection Systems

For fast and efficient security screening of inbound goods to the airside, the PX-160PCS Pallet and Cage Scanner adds a split conveyor and semi-automated control to our popular PX-160P Pallet Scanner for air cargo. One or more cages can be loaded into the large 1.5 x 1.65 meter (4.9' x 5.4') tunnel simultaneously, side-by-side or staggered. Cleared cages continue through the scanner to airside, rejected cages automatically reverse back to landside for secondary screening. Full pallet screening capability is maintained as well.

SPECIFICATIONS:

General

Dimensions:	8317 mm (327.4") L x 2395 mm (94.3") H x 2890 mm (114.6") W
Tunnel Opening:	1500 mm (59.1") W x 1650 mm (65.0") H
Conveyor Height:	470 mm (18.5")
Power Requirements:	(2) 220-240 VAC, 50/60 Hz (20 amp max)
Conveyor Speed:	136mm per second (5.4" per second)
Conveyor Capacity:	3000 kg (6600 lb)

X-Ray

Voltage:	160 kVp constant potential tube
Duty Cycle:	100%
Cooling:	sealed oil bath
Beam Orientation:	horizontal
X-ray Sensor:	1280 photo diodes in folded array (L-shaped) configuration

Physical Specifications

Weight (Uncrated):	approx 4000 kg (8,818.5 lb)
Weight (Crated):	(1) approx 3,835 kg (8,454.7 lb); (2) approx 676 kg (1,490.3 lb)
Construction:	steel frame and panels on casters

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)

Imaging and Performance

Resolution:	36 AWG guaranteed, 38 AWG typical
Penetration:	27 mm of steel guaranteed
Contrast Sensitivity:	at least 22 levels visible using a step wedge
Video Resolution:	1280 x 1024/24 bits
Video Display:	17" SVGA high-resolution, flicker-free display
Computer Processor:	Intel Pentium®

Radiation Safety

All L-3 Communications Security and Detection Systems' X-ray systems are certified to be in full compliance with all radiation safety requirements and external emissions limits as specified in the United States Code of Federal Regulations, Title 21, Section 1020.40 (21CFR1020.40) that apply to our products. 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

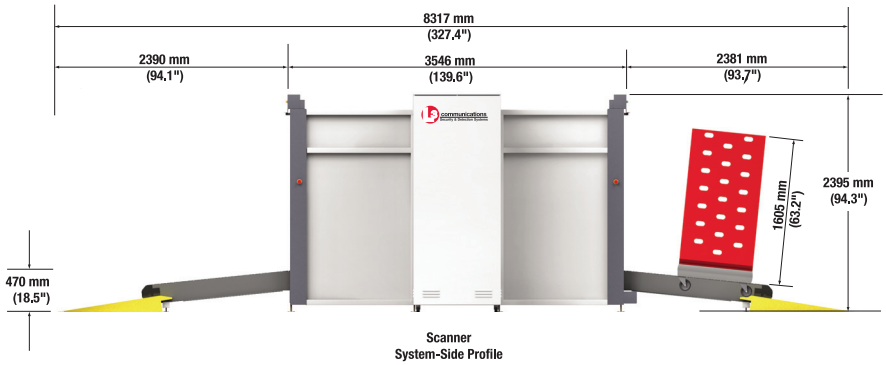
Complies with published International Standards including the U.S. Federal Aviation Administration Standards, "Use of X-ray Systems" (Federal Standards 14 CFR 108.17 and 14 CFR 129.26).

Film Safety

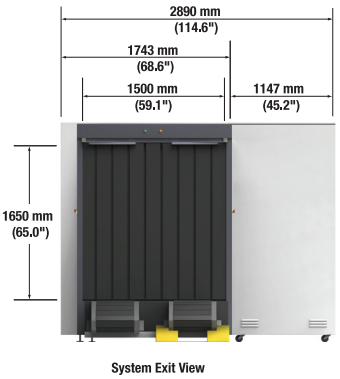
Ten passes of ISO 1600/33DIN high-speed photographic film.

Design Policy

L-3 Communications Security and 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.



Scanner
System-Side Profile



System Exit View

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L-3 Communications Security and Detection Systems

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