

# ACX™ 6.4

Automated Checkpoint  
X-ray System



## Automated explosives detection system for checkpoint screening

The ACX 6.4 automated checkpoint X-ray system blends Leidos' proven explosives detection with high-clarity imaging. It offers checkpoint security capabilities that integrate into your current security operations and footprint.

The affordable ACX 6.4 scans bags, briefcases, backpacks, packages, and other small to medium-sized, hand-carried objects with simultaneous X-ray

imaging and explosives detection technology. It can automatically pinpoint explosives and other potential threats, allowing operators to respond quickly and appropriately. Available in three conveyor lengths and with an optional automated bin return system (BRS), the ACX 6.4 accommodates diverse space requirements and strengthens security while raising the efficiency and convenience of checkpoint security for both operators and the public.

### APPLICATIONS

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- › Automated explosives detection
- › Weapons detection
- › Contraband detection
- › Theft prevention
- › Regulatory compliance/inspection

### COMPLIANCE

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- › TSA Air Cargo Qualified
- › CE, UL-61010-1
- › Radiation Safety: U.S. 21 CFR 1020.40

### CERTIFICATION

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- › ISO 9001:2008
- › ISO 14001:2004



## SPECIFICATIONS

### GENERAL

**Height:** 1312 mm (51.7")

**Width:** 862 mm (34.0")

**Length:**

Short conveyor: 1700 mm (67.0")

Medium conveyor: 2236 mm (88.0")

Long conveyor: 3030 mm (119.3")

**Tunnel Opening:**

640 mm (25.2") W x 430 mm (16.9") H

**Conveyor Height:**

775 to 835 mm (30.5" to 32.9")

**Power Requirements:**

1Ø 100-240 VAC ±10% 50/60 Hz ±1%  
1.0 KVA max

**Conveyor Speed:**

.25 m per sec +1/-2% @ 50/60 Hz

**Conveyor Capacity:** 100 kg (220 lb)

**Scan Rate:**

› 750 bags/hour (continuous mode)

› 400 bags/hour (2 level screening)

**Weight:**

606.9 kg (1338 lb) with medium conveyor

672.8 kg (1483 lb) with long conveyor

615.8 kg (1358 lb) with RMK option

**Weight (Crated):**

861.8 kg (1900 lb) with medium conveyor

### X-RAY

**Voltage:** 150 kV

**Duty Cycle:** 100%

**Cooling:** Sealed oil bath

**Beam Orientation:** Vertically upward

**Detector Configuration:**

1152 photodiodes in L-shaped  
folded array configuration

### IMAGING AND PERFORMANCE\*

**Resolution:**

38 AWG standard, 40 AWG typical

**Penetration:**

38 AWG of steel standard, 40 typical

**Contrast Sensitivity:**

4096 gray level stored

**Display Monitor:** 19" LCD monitor

### FOR MORE INFORMATION VISIT

[leidos.com/security-detection](http://leidos.com/security-detection)

### ENVIRONMENTAL

**Operating Temperature:**

0° to 40° C (32° to 104° F)

**Storage Temperature:**

-20° to 50° C (-4° to 122° F)

**Humidity:** 95%, non-condensing

**Airborne Noise Level:** <70 dB (A)

### STANDARD FEATURES

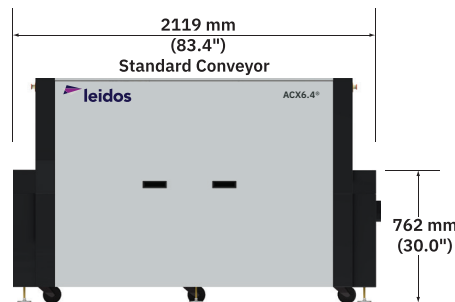
- › Compact design
- › Uninterruptible power supply (UPS) and input line filter
- › Medium conveyor length (2236 mm / 88")
- › Heads-up operator display interface with touch pad control
- › Entry/exit tunnel shrouds
- › Configurable operator interface
- › 19" LCD monitor
- › Automated explosives detection
- › Image Archiving (IA)
- › Side-mounted operator interface
- › Infrared operator-proximity sensor
- › Network ready

### OPTIONAL FEATURES

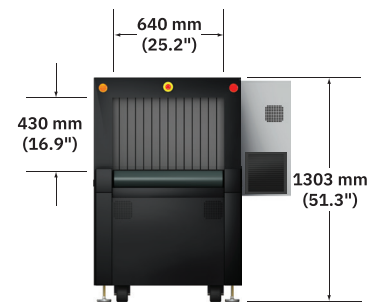
- › 21" color monitor
- › Operator-proximity sensor footmat
- › Roller tables and slide tables in modular 0.5 m and 1.0 m lengths
- › Bin return system in modular 1.0 m lengths
- › Message display center
- › Conveyor length options: short (1700 mm / 67"), long (3030 mm / 119")
- › High-speed exit conveyor (requires long conveyor option)
- › Threat Image Projection (TIP)
- › External UPS
- › Remote operator interface (5 m, 30 m, and 100 m)
- › Ruggedized Mobility Kit (RMK): 152.4 mm (6") locking shock-absorbed wheels, system tie-down/hold-down points. Typically used with short conveyor
- › Network Supervisor
- › Network TIP server

**COMPLIANCE**   

**CERTIFICATION**  



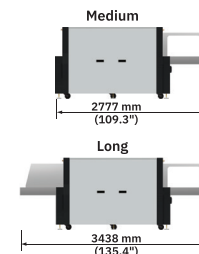
Scanner System  
Side Profile



Scanner System  
Exit Profile



Scanner System  
Top Profile



Conveyor Options