



communications

Security & Detection Systems

Linescan® 222

The **Linescan 222** is a very compact X-ray security screening system. With a tunnel opening of 521 mm (20.5") wide by 327 mm (12.9") high, the **Linescan 222** is well suited for the screening of small bags, briefcases, backpacks and mail. The system is ideally suited for schools, courthouses, correctional institutions and corporate mail centers. The **Linescan 222** is Security and Detection Systems' most affordable X-ray security screening system equipped with a conveyor.

As part of the Security and Detection Systems' family of products, the **Linescan 222** shares in more than 25 years of experience in the manufacture of X-ray security products. With over 18,000 units in the field worldwide, and an extensive service organization to support them, Security and Detection Systems has established its reputation as the leading supplier of X-ray security products in the world.



Linescan 222

Features

Linescan 222

- Tunnel opening of 521 mm (20.5") wide by 327 mm (12.9") high for handling small parcels such as carry-on baggage, briefcases and mail
- Light weight and footprint efficient design is well suited for restricted space areas
- Equipped with a Mobile Cart and detachable entry and/or exit roller tables, the Linescan 222 is suitable for a variety of mobile applications

Linescan®222

Technical Specifications

General

Tunnel Opening:.....521 mm (20.5") W x 327 mm (12.9") H
Conveyor Height:.....832 mm (32.8")
Power Requirements:.....115-120 VAC, 60 Hz (10 amp max)
230-240 VAC, 50 Hz (8 amp max)
Conveyor Speed:.....0.23 m per sec (45 feet per min) @60 Hz
0.18 m per sec (36 feet per min) @50 Hz
Conveyor Capacity:.....68 kg (150 lb)

X-ray

Voltage:.....75 kVp
Duty Cycle:.....100%
Cooling:.....sealed oil bath
Beam Orientation:.....downward
X-ray Sensor:.....576 photo diodes in L-shaped configuration

Physical Specifications

Weight

Linescan 222 with Cart:.....approx 310 kg (681 lb)
Crated:.....approx 437 kg (961 lb)

Environmental

Operating Temperature:.....0°C to 40°C
Storage Temperature:.....-20°C to 50°C
Humidity:.....95% non-condensing
Airborne Noise Level:.....<70dB (A)

Imaging and Performance - Linescan 222

Resolution:.....38 AWG guaranteed, 40 AWG typical
Penetration:.....5 mm steel guaranteed, 6 mm typical
Contrast Sensitivity:.....at least 20 levels visible using a step wedge
Video Display:.....17" SVGA high resolution, low radiation,
ergonomic, flicker free display

Radiation Safety

All 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

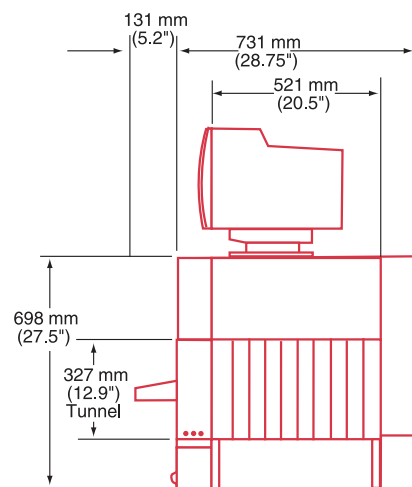
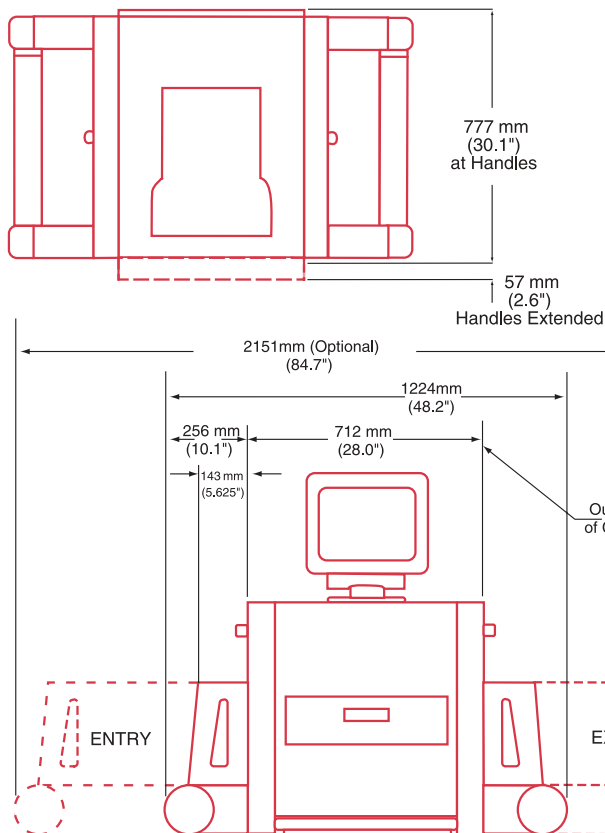
Complies with published International Standards including the U.S. Federal Aviation Administration Standards, "Use of X-Ray Systems" (Federal Standards 14 CFR 108.17 and 14 CFR 129.26).

Film Safety

Guaranteed for high speed films up to ISO 1600.

Design Policy

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 $\pm 5\%$ of nominal values.



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L-3 Communications Security and Detection Systems

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