Interceptor™ 5536

High throughput X-ray screening with compact footprint and 55cm x 36cm tunnel

The INTERCEPTOR™ range of X-ray systems have been skilfully designed by experts in the X-ray security industry to deliver superior X-ray screening and threat detection with an intuitive human-machine interface that enhances operator efficiency.

- **Ease of use** - INTERCEPTOR's easy to use control panel with touchpad interface enables operators to control the system using instinctive finger movements and eliminates the complexity of typical keypads with numerous keys. An instinctive touchpad control and the intuitive graphic interface provided by X-Vision™ enables 'heads-up' screening so that operators can focus on identifying and resolving exceptions and threats.

- **Rapid and consistent Threat Detection** - Additional feature sets such as the intuitive 'touch-screen' interface with multi-language support, user-programmable displays and on-board training modules provide additional tools to optimise operator screening and threat detection performance.

The Interceptor™ 5536 has a ***highly compact footprint*** incorporating current and emerging technologies to maximise operational efficiencies, ease of use and optimisation of return on investment. The system integrates with network infrastructure conforming to all applicable conveyor X-ray standards and regulations.

FEATURES

- Ultra-compact footprint
- Easy to use
- Network ready
- Windows 10 operating system
- X-Vision™ software
- Heads-up operation
- Touch screen option
- Threat image projection (TIP)
- Intuitive multi-language user interface

HEADS-UP USER CONSOLE

User console with integrated touch-pad delivers powerful functionality with a simple console that improves throughput and facilitates heads-up operation.

APPLICATIONS

- Weapons & Contraband Detection
- Executive Mail / Parcels
- Special Deliveries
- Public Reception Areas
- Postal / Mailrooms
- Theft Prevention
- Goods Deliveries
- Goods Inward & Security Areas

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Interceptor™ 5536

TECHNICAL & PERFORMANCE DATA SUMMARY

SUMMARY OF INTERCEPTOR™ 5536 PERFORMANCE

GENERAL SPECIFICATIONS

- Tunnel Dimensions: 550mm (W) x 360mm (H)
- External Dimensions 1500mm (L) x 800mm (W) x 1250mm (H)
- Conveyor height: 763mm (adjustable)
- Max conveyor load: 160kg across conveyor
- Net / Shipping weight: 370kgs / 400kgs
- HMI Heads-up operator display and console panel with touch pad control

X-RAY CHARACTERISTICS

- Cooling: Hermitically sealed oil bath
- Beam direction: Diagonal upwards
- Nominal anode voltage: 160kV operating at 145kV
- X-ray dose (typical): Standard 0.7 µSv
- Duty cycle: 100%, no warm up required
- Detector configuration: 1,024 photodiodes in L-shaped folded array configuration

OPERATING CHARACTERISTICS

- Power requirements: 110-230 VAC 50-60Hz
- Power usage approx 0.2kVA
- Operating/Storage temp 0˚C to 40˚C / -20˚C to 60˚C
- Humidity: 10 to 90% non-condensing
- Sound pressure level: <70dB(A)
- Conveyor speed: 0.20m to 0.24m per sec

IMAGING PERFORMANCE

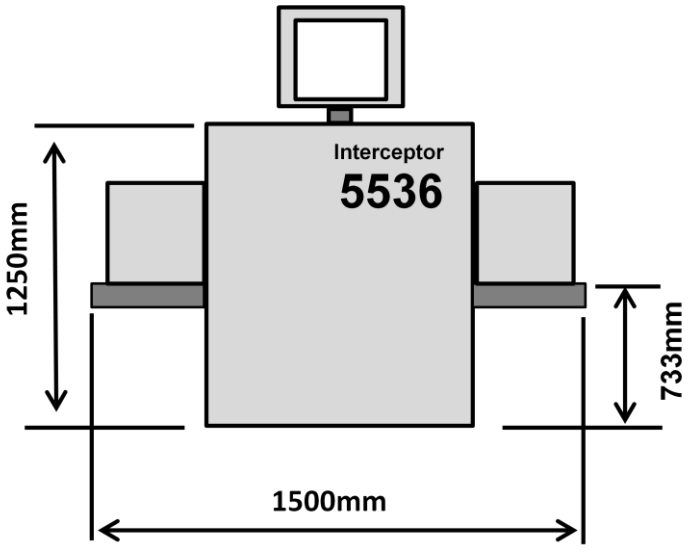
- Image display: 22” HD TFT flat panel
- Resolution (fine wire detection): Typical 39AWG, standard 38AWG
- Penetration (steel): Typical 40mm, standard 37mm
- Software: X-Vision™ and Windows™ 10
- Imaging features: Refer to X-Vision™ datasheet
- Contrast sensitivity: 16 bit with 65,535 grey levels

TYPICAL OPTIONS

- Threat image projection
- Input and output roller tables
- Touch-screen monitor
- Remote workstation (from 5m)
- Onboard radiation & computer based training
- Network synergy station
- Internal heater/cooling kits
- Safety barriers
- Real-time high-penetration function

OPERATIONAL STANDARDS

- EC Directive 96 / 29 Euratom
- UK Ionising Radiations Regulations 2017
- US 21 CFR 1020.40 Cabinet X-ray Systems
- US 21 CFR 1010.2&3 Radiation Performance Standards
- US FAA 14 CFR 108.17 Use of X-ray Systems
- US FAA 14 CFR 129.26 Use of X-ray Systems
- IEC 61010-1 and CE compliance (NRTL pending)
- Designed for TIP1A/TIPII/STIP compliance
- Film Safety: Ten passes of ISO 1600/33DIN photographic film.



Specifications are current at the time of first publication and are subject to change to ensure continuing product enhancement.
Analysed Images Interceptor™ systems comply with applicable international health and safety regulations and are certified to be in full compliance with all applicable radiation safety requirements and external emissions limits specified in the United States Code of Federal Regulations (21CFR1020.40) and United Kingdom Ionising Radiations Regulations 2017 (harmonised with EC Directive 96 / 29 Euratom).