

OX-Ai pro

X-ray Inspection Systems

Scan Master . The Eye to Discern . The Insight to Secure



ORBISCAN / SECURITY EQUIPMENT

Introduction

The OX-Ai pro is a professional X-ray security screening system designed to deliver reliable, high-performance inspection in demanding environments. It combines high-definition imaging, intuitive operation, stringent international safety standards, and robust construction. Optional AI-assisted threat recognition can further support operators in identifying suspicious items. With dependable performance, the OX-Ai pro is ideally suited for continuous use in high-traffic security screening applications.

Key Features

- Upgraded Exterior Design:** Refined industrial styling delivers a modern, professional, and distinctive appearance.
- Directional Arrow Indicators:** Integrated LED indicators provide clear conveyor direction and operating status at a glance.
- 3-inch Intelligent Tunnel Display:** Real-time tunnel and operating information is displayed clearly for improved user interaction.
- Explosives & Narcotics Assistance:** Enhanced image analysis assists operators in identifying potential explosives and narcotics.
- Intuitive Operation:** Streamlined controls enable fast, simple, and efficient screening operation.
- Premium Components:** High-quality components from trusted brands support long-term reliability and stable performance.
- Low X-ray Leakage:** Optimized shielding design minimizes radiation leakage for enhanced operational safety.

Core Specifications

Tunnel Size 500 × 300mm (W × H)	Product Dimension 1765 × 800 × 1180 mm	Package Dimension 1865 × 850 × 1330 mm
Net/Gross Weight 280 / 330 kg	Power Consumption < 0.5 kW	Power Supply 110~240VAC, 50/60±3Hz
Operating Temperature -20 °C to +60 °C	Storage Temperature -30 °C to +70 °C	Humidity 5%-95%, non-condensing

X-ray Generator

X-ray Tube Head	Self-contained
Tube Voltage	100/ 140 / 160 kV
Tube Current	0.2~1.2 mA, adjustable
Cooling	Sealed oil & forced-air cooling
Beam Direction	Diagonal from bottom (80° beam)
X-ray Leakage dose	≤1 μGy/h (measured at 5 cm)
Array Detector	L-type photodiode detector array

Inspection Performance

Noise	<55db
Max. Load Weight	150kg (330 lbs)
Conveyor Speed	Approx. 0.22m/s
Steel penetration	From 13mm~38mm, 15mm~40mm typical
Conveyor Height	720mm (including the support tray)
Wire Resolution	40AWG(0.0787mm), 38AWG typical
Spatial Resolution	Horizontal Φ 1.0mm; vertical Φ 1.0 mm
Film Safety	Guaranteed for high-speed film up to ISO 1600 (33 DIN)

Imaging & Software

Operating System	Win 7 English version	Image enhancement High, low and super penetration; organic/inorganic display	Image control Zoom, data and time, counters, image recall and storage
Back/Forward	30 images to process	System management User, image and log management; marking and diagnostics	Operator workflow Main-screen operation, processing tools and custom functions
Image Storage	More than 500,000 images		
Color Modes	7 colors, imaging / 4096 grey levels		
Smart Zoom	64X adjustable zoom preview window		

Hardware & Optional Configuration

Smart roller	Two-sided, energy-saving	NVR / Camera	Hikvision (optional)
Scan Directions	Bidirection scanning	CCTV Monitoring	Real-time monitoring (optional)
Software	Advanced X-ray imaging software	Disk Capacity	64 GB standard; up to 2 TB optional
304 SS rollers	0.6 m at entry and exit (optional)	Display	19-inch Philips monitor, 1280×1024
Computer Host	HESHO brand, Taiwan	Graphics Memory	256MB

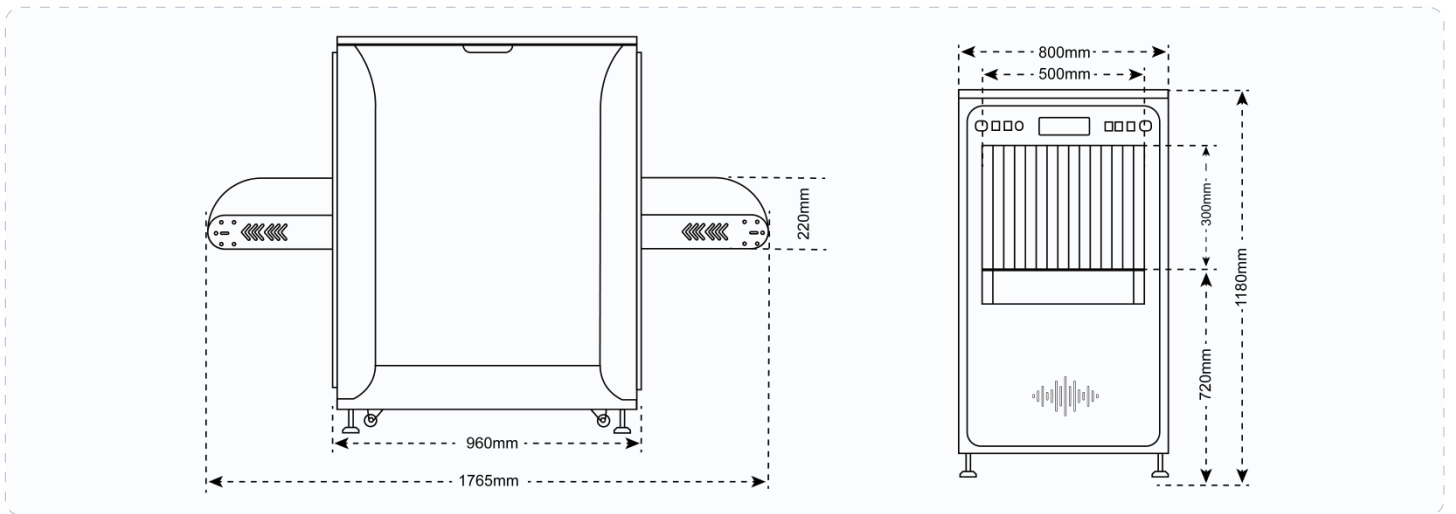
Customization & Connectivity

Panel, interface and branding customization	SDK intergration and platform SDK	ISB image export	English standsrd; custom languages supported
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Product Views



Dimensions



Applications

- Mail & Parcel Screening:**
 - mail, documents, parcels, and small package
- Executive Office Security:**
 - Bags, parcels, and personal belongings at corporate facilities.
- VIP & Diplomatic Security:**
 - Carried items at reception areas and controlled-access locations
- Public Area Security:**
 - Bags and carried items in public facilities and high-traffic areas
- High-Risk Event Security:**
 - Bags and personal belongings at events, conferences, and secure venues.

Sample X-ray Images

