

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

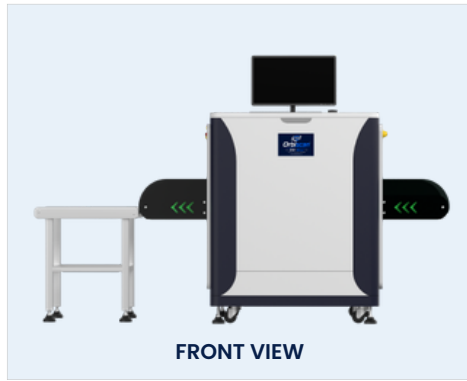
Hardware & Optional Configuration

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

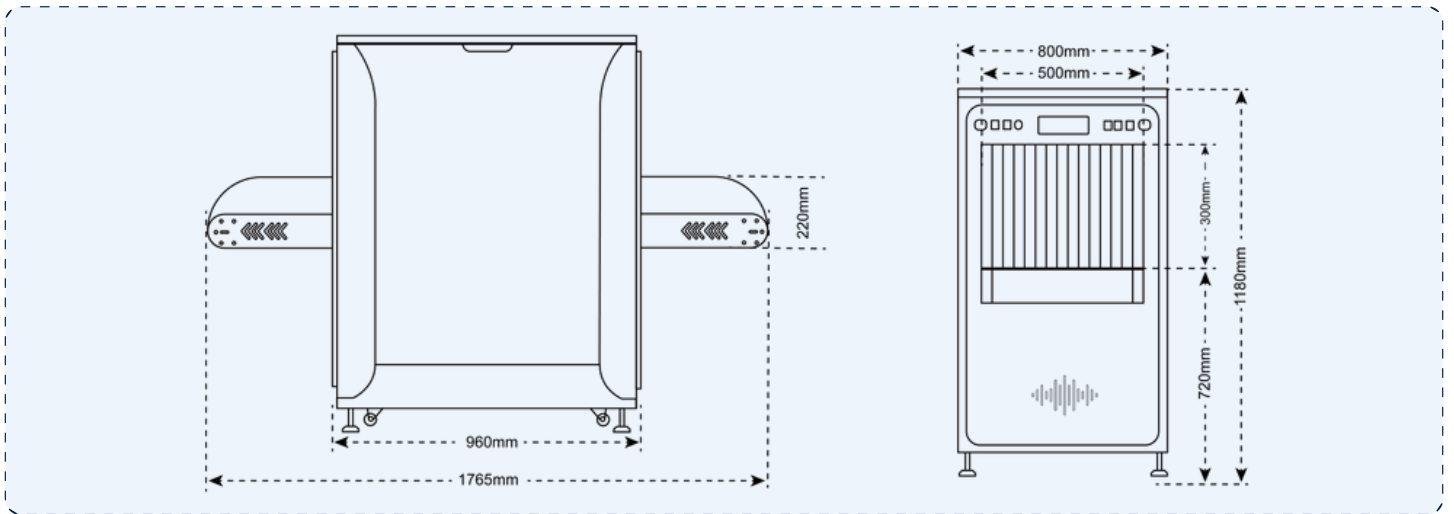
Customization & Connectivity

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

