Orbiscan®

SECURITY | INSPECTION | PEACE OF MIND

SMARTER SCREENING
SAFER TOMORROW

OX-NEXUS AI

X-ray Inspection Systems

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

RELIABLE INSPECTION FOR A SAFER WORLD





UPGRADED EXTERIOR DESIGN

Refined industrial styling delivers a modern, professional 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.

Advanced X-ray Inspection
for a **Safer, Smarter Tomorrow**

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Technical Specifications

DETAILED SPECIFICATIONS FOR RELIABLE PERFORMANCE

Core Specifications

BUILT FOR PERFORMANCE

Tunnel Size	600 × 400mm (W × H)	Product Dimension	2080 × 840 × 1350 mm	Package Dimension	2200 × 900 × 1530 mm
Net/Gross Weight	350 / 430 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

STABLE & EFFICIENT

X-ray Tube Head	Self-contained
Tube Voltage	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

ACCURATE & RELIABLE

Noise	<55db
Max. Load Weight	180kg (330 lbs)
Conveyor Speed	Approx. 0.22m/s
Steel penetration	40 mm guaranteed, 42 mm 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

SMARTER IMAGING

Operating System	Win 7 English version
Back/Forward	30 images to process
Image Storage	More than 500,000 images
Color Modes	7 colors, imaging / 4096 grey levels
Smart Zoom	64X adjustable zoom preview window

Image enhancement
High, low and super penetration; organic/inorganic display

Image control
Zoom, data and time, counters, image recall and storage

System management
User, image and log management; marking and diagnostics

Operator workflow
Main-screen operation, processing tools and custom functions

Hardware & Optional Configuration

FLEXIBLE SOLUTIONS

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	22-inch Philips monitor, 1920×1080
Computer Host	HESHO brand, Taiwan	Graphics Memory	512MB

Customization & Connectivity

BUILT FOR YOUR NEEDS

- Panel, interface and branding customization
- SDK integration and platform SDK
- USB image export
- English standard; custom languages supported

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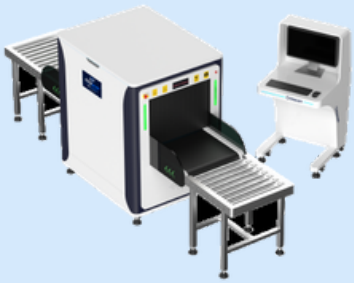
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SMARTER SCREENING
SAFER TOMORROW

01 Product Views

MULTI-ANGLE VIEW



45° VIEW



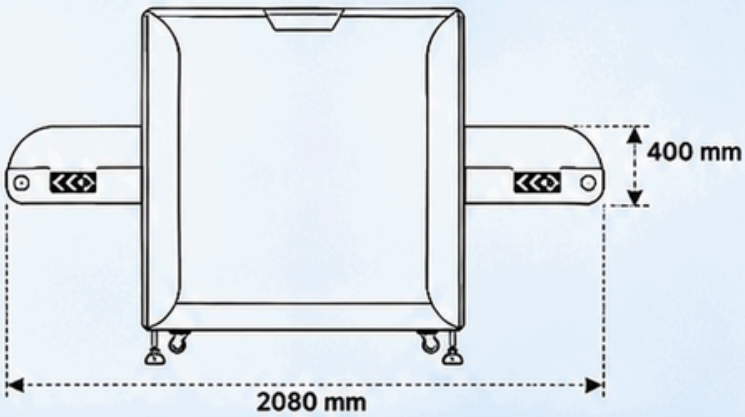
FRONT VIEW

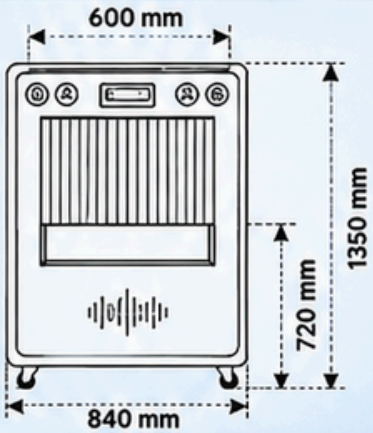


SIDE VIEW

02 Dimensions

COMPACT DESIGN, MAXIMUM PERFORMANCE.





03 Applications

WIDE RANGE OF SECURITY SOLUTIONS

Mail & Parcel Screening:
Mail, documents, parcels, and small package inspection.

Executive Office Security:
Bags, parcels, and personal belongings at corporate facilities.

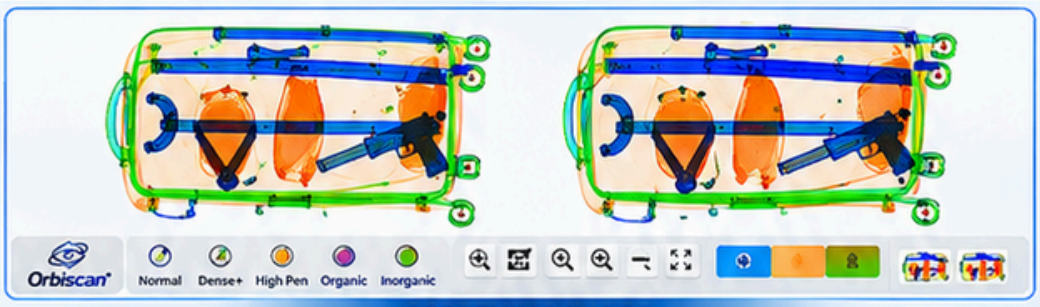
VIP & Diplomatic Security:
Carried items at reception areas and controlled-access locations.

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.

04 Sample X-ray Images

REAL-TIME IMAGING, CLEARER SECURITY.



SCREENING IMAGE

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