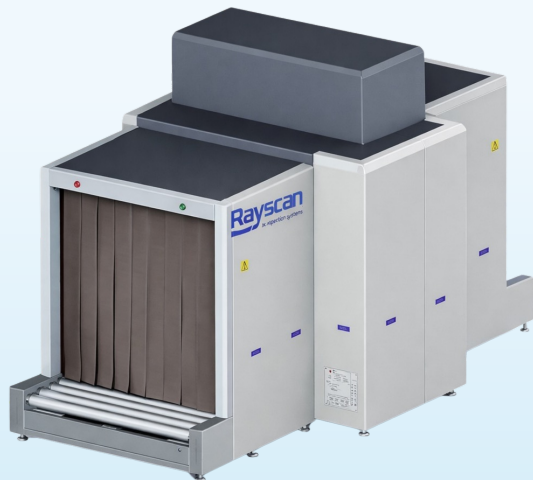


RS-150180D

Dual View Multi-energy X-Ray Security Scanner



Applications

- Luggage, large cases, cargo inspection.

Widely used in:

- Airport, seaport,
- Warehouse,
- Custom, post border,
- Logistic, cargo inspections,
- Other important places.

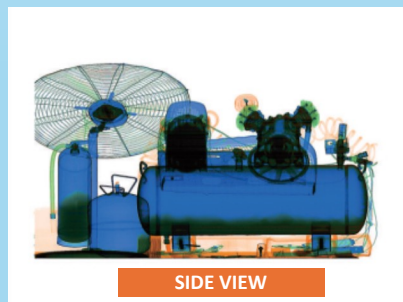
HIGHLIGHTS

1. **Dual View Detection System** – Two independent X-ray generators and detection modules provide comprehensive dual-angle scanning. Objects are scanned vertically and laterally to ensure optimal image quality regardless of placement. The Dual View system provides simultaneous imaging from Top View and Side View perspectives.
2. **Synchronized Real-Time Imaging** – Equipped with latest TCP/IP technology for dual X-ray Data Acquisition Systems ensuring real-time synchronized images from different perspectives view.
3. **Advanced High-Power X-Ray Generator** – Up to **200kV / 1.0mA**, equipped with a Digital RS-232 interface and automatic warm-up function to prevent damage and extend generator lifespan.
4. **High-Definition Imaging** – $\Phi 0.0787\text{mm}$ (AWG40) wire resolution, 1.58mm high-resolution detector, and penetration up to 50 mm steel plate.
5. **Multi-Screen Display Support** – Supports up to four monitors simultaneously (Color & B/W images from both views); dual display as standard configuration.
6. **Automatic Drugs & Explosives Detection (DEI)** – Intelligent identification of narcotics and explosive materials.
7. **Hi-Spot & HDA Technology** – Enhanced contrast imaging with automatic suspicious object alerts.
8. **Modular Design with Self-Diagnosis** – Automatic monitoring of X-ray generator, detector array boards, and light barrier system for easy maintenance.
9. **User-Friendly Operation** – Intuitive software, ergonomic hardware design, dedicated control keyboard, and mouse-based zoom & image navigation.
10. **Automatic Image Recognition** – Assists operators in identifying potential threats in real time with enhanced accuracy.
11. **Customization** – Image transfer to external Network Archive Storage/Reviewer, OCR /Tag reading, real photo, etc.

SCANNING IMAGES :



TOP VIEW



SIDE VIEW

TECHNICAL PARAMETER & SPECIFICATIONS

General Specifications	
Tunnel Size	1543mm (W) * 1810mm (H)
Conveyor Speed	0.2 m/s; Optional top 0.6m/s
Max. Conveyor Load	2000kg (evenly distributed)
System Noise	<60dB
Dimension & Weight	4557 x 2300 x 2680 (mm), 2500kg

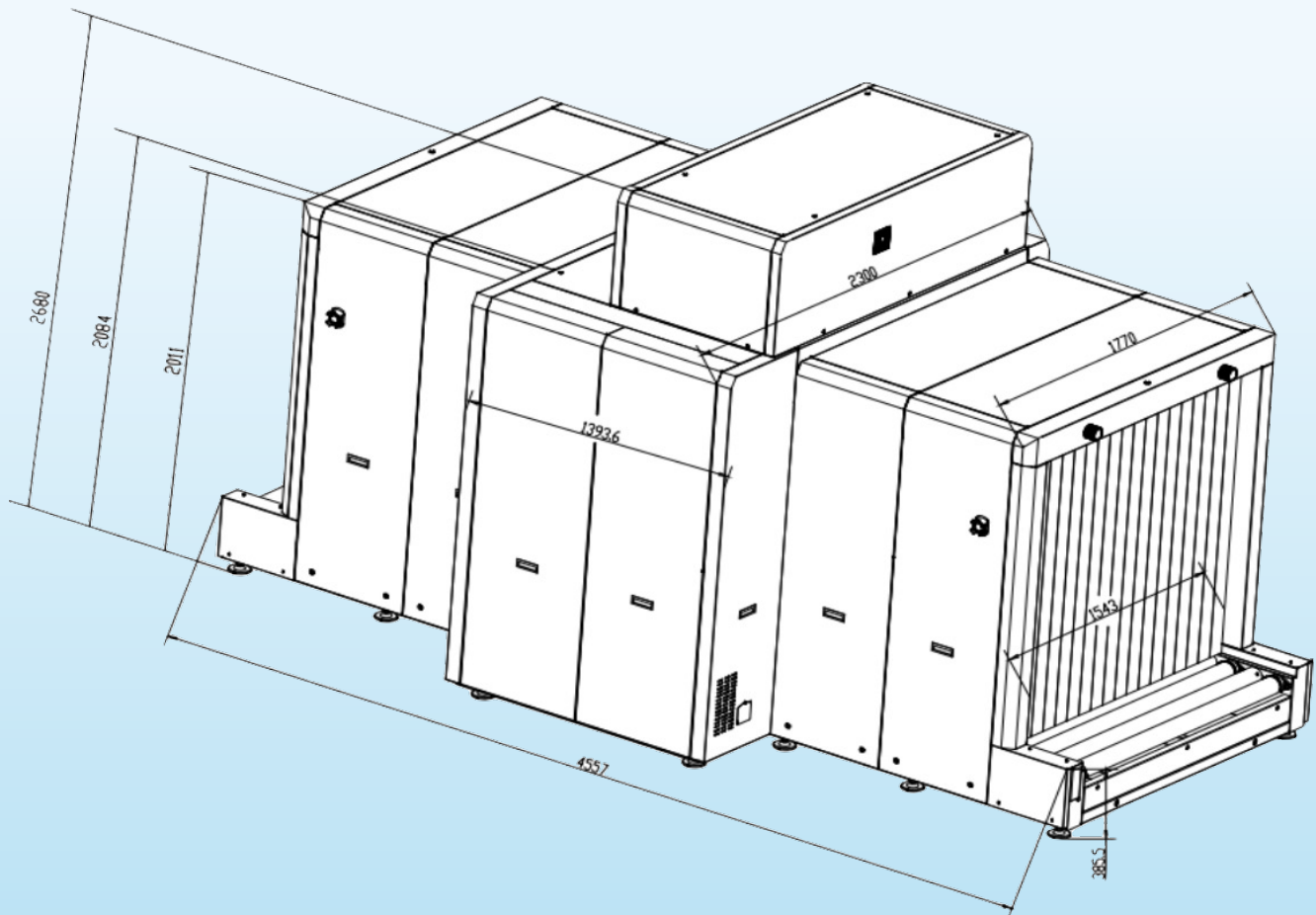
Performance Index	
Line Resolution	0.0787 mm Metal Wire (AWG40)
Penetration	50 mm Steel
Radiation Leakage	<0.8 μ Sv/hour
Dose Per Inspection	<8.0 μ Sv
Image Resolution	1280x1024/24Bits
Film Safety	ISO 1600 guaranteed

Image Processing	
X-ray Detector	• Dual L-shaped High resolutions detector (1.58 mm pitch). • Data Acquisition with Ethernet interface.
Image Processing	• Color / Black & White • Multi-energy • Organic/Mineral Strip • Edge Enhancement • Super Enhancement • Negative view (invert) • H/L Penetration • Gray Level Scanning • Pseudo Color • DEI • High Density Alarm • Hi-Spot
Dual View	• Dual view images display synchronically • Twin-channel image management system, synchronically review supported • Three image processing modes: view1, view2, view1 +view2
Material Classification	• Organic: Orange • Light Metal and Mixture: Green • Metal: Blue • High Density Material: Black/Red
Zoom	• 1-32 Times for any zone, Dynamic, Smooth & Stepless • Full screen zoom by one click
Display Screen	• Two-screen display with High Resolution 21.5' LCD Color or Four Display (Optional).
Image Recall	• 200 images.
Image Storage	• 200,000 images (at least) • Image Export • Image Simulated Playback • Image Batch Conversion (to .jpg) • Image Search
Additional Features	• Customized Shortcuts • Image Retrieval • Packages Counter • User Report Management • Self-diagnosis • Date/time Display • Multi-language • System Work Time Counter, X-Ray Work Time Counter • Maintenance Warning • Quick Shutdown • Multi-level User Management

X-Ray Generator	
Beam Direction	Diagonally Downward & Sideward
X-ray Generator Interface	RS-232 Digital Interface with Auto warming up
Tube Voltage	150-200kV (Adjustable)
Tube Current	0.5-1.0 mA (Adjustable)
Cooling / Duty Cycle	Sealed Oil Cooling/100%
Beam angle	80°

Installation Data	
Storage Temperature/Humidity	-20 °C ~ +50 °C / 10%~ 95% (Non-condensing)
Working Temperature/Humidity	0 °C ~ +45 °C / 10% ~ 95% (Non-condensing)
Working Voltage	220Vac / 380Vac ±10%,50Hz/60Hz±3Hz
Power	2.5 kVA

PHYSICALS DRAWING & DIMENSION



REMARKS:

- Approximated measurements, actual values may slightly differ.
- Units in milli meters.
- Optional extended rollers 1.5meters can be attached for each entry and exit.