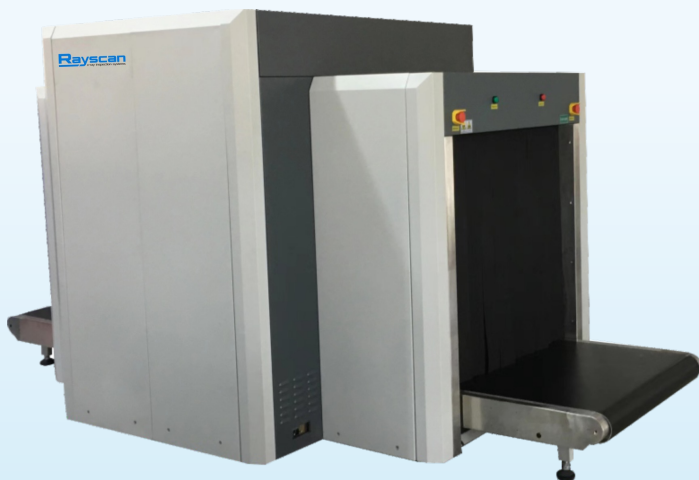


RS-100100D

Dual View Multi-energy X-Ray Security Scanner



Applications

- Luggage, large cases, cargo inspection.

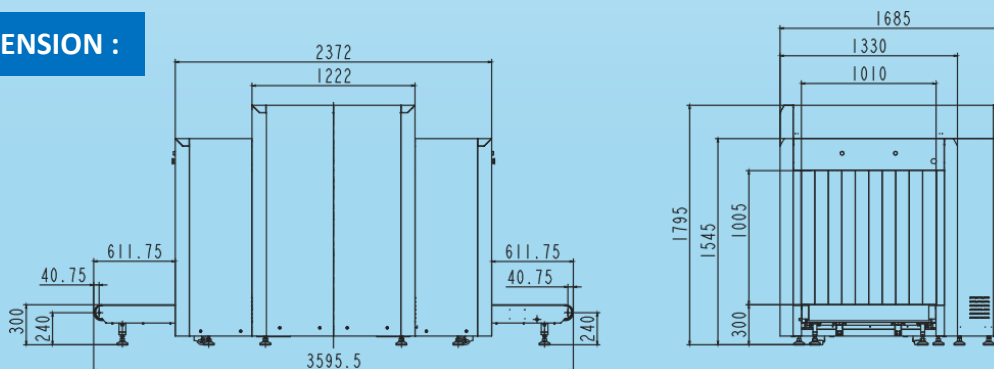
Widely used in:

- Airport, seaport,
- Warehouse,
- Custom, post border,
- Logistic, cargo inspections,
- Hotel and other important places.

HIGHLIGHTS

- 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.
- 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.
- Advanced High-Power X-Ray Generator** – Up to **160kV / 1.2mA**, equipped with a Digital RS-232 interface and automatic warm-up function to prevent damage and extend generator lifespan.
- High-Definition Imaging** – $\Phi 0.0787\text{mm}$ (AWG40) wire resolution, 1.58mm high-resolution detector, and penetration up to 37mm steel plate.
- Multi-Screen Display Support** – Supports up to four monitors simultaneously (Color & B/W images from both views); dual display as standard configuration.
- Automatic Drugs & Explosives Detection (DEI)** – Intelligent identification of narcotics and explosive materials.
- Hi-Spot & HDA Technology** – Enhanced contrast imaging with automatic suspicious object alerts.
- Modular Design with Self-Diagnosis** – Automatic monitoring of X-ray generator, detector array boards, and light barrier system for easy maintenance.
- User-Friendly Operation** – Intuitive software, ergonomic hardware design, dedicated control keyboard, and mouse-based zoom & image navigation.
- Automatic Image Recognition** – Assists operators in identifying potential threats in real time with enhanced accuracy.
- Customization** – Image transfer to external Network Archive Storage/Reviewer, OCR /Tag reading, real photo, etc.

PHYSICAL DIMENSION :



PT. FAIKA SARANA MULIA

Jl. Sadewa Kandanghari RT.004 RW.011, Sukoharjo, Ngaglik,
Sleman, Yogyakarta – 55581, Indonesia. Tel: 0274-286 0252
Email: info@fsm.co.id



0812 3232 5454



www.rayscan.id

TECHNICAL PARAMETER & SPECIFICATIONS

General Specifications	
Tunnel Size	1010mm (W) * 1005mm (H)
Conveyor Speed	0.2 m/s; Optional top 0.6m/s
Max. Conveyor Load	200kg (evenly distributed)
System Noise	<60dB
Dimension & Weight	3595 x 1685 x 1795 (mm), 1400kg

Performance Index	
Line Resolution	0.0787 mm Metal Wire (AWG40)
Penetration	38 mm Steel
Radiation Leakage	<0.5 μ Sv/hour
Dose Per Inspection	<3.5 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	130-160kV (Adjustable)
Tube Current	0.3-1.2 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 $\pm$ 10%,50Hz/60Hz $\pm$ 3Hz
Power	1.2 kVA