



Applications

- Hand carry/backpack, medium size inspection.

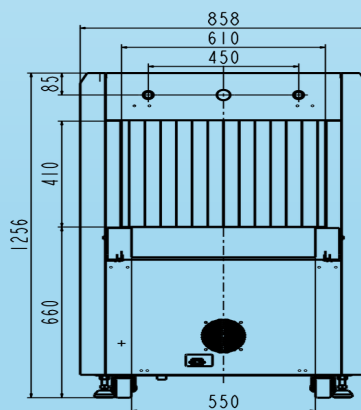
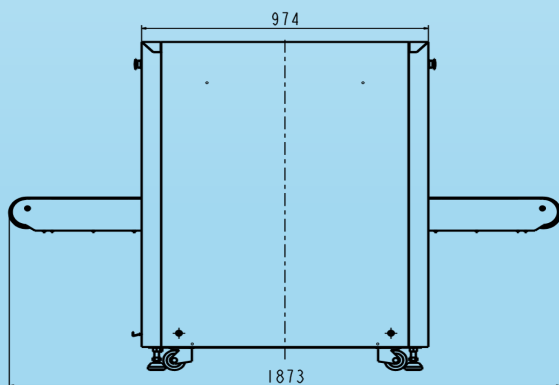
Widely used in:

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

HIGHLIGHTS

1. **Multi-energy, 1.58mm high resolution detector, 30mm steel penetration**
2. **Compact, portable and convenient to move**
3. **Ultra-low X-Ray leakage, complying with domestic and international safety standard**
4. **High-Definition Imaging** – $\Phi 0.0787\text{mm}$ (AWG40) wire resolution, 1.58mm high-resolution detector, and penetration up to 32mm steel plate.
5. **External Display Image Counter**– For fast reviewing the images.
6. **Automatic Drugs & Explosives Detection (DEI)** – Intelligent material identification of narcotics and explosive.
7. **Hi-Spot & HDA Technology** – Enhanced contrast imaging with automatic suspicious object alerts.
8. **Modular Design with Self-Diagnosis** –Modular design, self-diagnosis for important parts like X-Ray generator, detection boards array, light barrier.
9. **User-Friendly Operation** – Convenient software, special keyboard, Touch Screen (Optional).
10. **Customization** – Image transfer to external Network/Device, OCR /Tag reading, real photo, etc.
11. **Threat image projection(RS-TIP) (Optional)**
12. **Video monitoring system(RS-VMS) (Optional)**
13. **Energy saving device (Optional)**

DIMENSION



TECHNICAL PARAMETER & SPECIFICATIONS

General Specifications

Tunnel Size	610mm (W) * 410mm (H)
Conveyor Speed	0.2 m/s upto 0.5 m/s
Max. Conveyor Load	160kg (evenly distributed)
System Noise	<60dB

Performance Index

Line Resolution	0.0787 mm Metal Wire (AWG40)
Penetration	32mm Steel
Radiation Leakage	< 0.5 μ Sv/H
Dose Per Inspection	< 1.5 μ Sv
Image Resolution	1280x1024/24Bits
Film Safety	ISO 1600 guaranteed

Image Processing

X-ray Detector	• 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
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	• Full HD Display (touchscreen optional), External Display Image Counter for fast reviewing.
Image Recall	• 200 Screen.
Image Storage	• 100000 images (at least) • Image Simulated Playback • Image Search • Image Export • Image Batch Conversion (to .jpg)
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
Display	• High Resolution 21.5' LCD

X-Ray Generator

X-Ray Direction	Upward
Tube Voltage	100-160kV (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	AC 220V(-15%~+10%), 50Hz/60Hz $\pm$ 3Hz
Power	0.7kVA