



Applications

- Hand carry/backpack, medium size inspection.

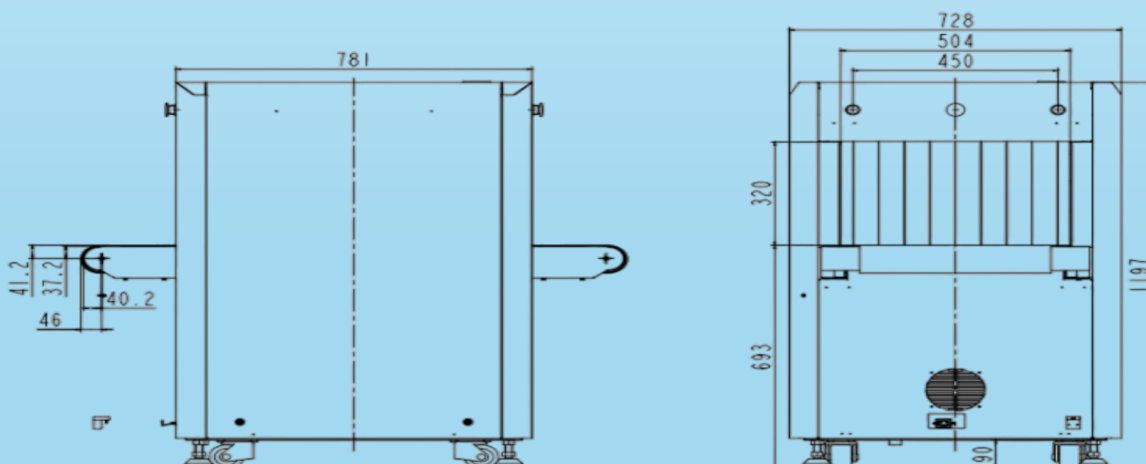
Widely used in:

- 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 30mm steel plate.
5. **External Display Image Counter**– For fast reviewing the images.
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** –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	504mm (W) * 320mm (H)
Conveyor Speed	0.2 m/s
Max. Conveyor Load	160kg (evenly distributed)
System Noise	<60dB

Performance Index

Line Resolution	0.0787 mm Metal Wire (AWG40)
Penetration	30 mm 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	- 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
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 as optional), Extra 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