

ZKX6550

Dual-energy X-ray Inspection System



Overview

ZKX6550 X-ray Inspection System features a tunnel opening of 650 mm (W) x500 mm (H) and is designed for scanning briefcases, carry-on luggage, and small cargo packages, its equipped with a movable console to enhance work efficiency and operator comfort , allowing it to be placed in factories, shopping malls, transportation hubs, and similar locations.

The ZKX6550 X-ray Inspection System uses reliable, high-quality X-ray generators and detectors, as well as superior image algorithms, to provide clear scanning images. This allows operators to visually identify potential threat items.

Applications



Event



Shopping mall



Factory



Office Building

Highlights

- Dual-energy and true color scanning images
- Widely used for scanning briefcases, carry-on luggage, and small cargo packages
- The movable console with professional keyboard and fingerprint verification for extra features
- Support ZKBio SIS Platform Management Software
- Bidirection scan
- Energy-saving mode
- Excellent ergonomic industrial design

Standard

Standard Features

- Dual-energy Imaging (4 Colour)
- True color Scanning Images
- Carry-on Baggage Screening
- Energy Saving Mode
- Support Platform Management Software ZKBio SIS
- View Previous / Next Bag
- JPG, BMP and ZKX Image Export
- Configurable Image Processing Keys
- Baggage Counter
- Date / Time Display
- System Maintenance and Self-diagnosis
- Threat Image Projection (TIP)
- Density Threshold Alert (DTA)
- Explosive / Drug Auxiliary Alert
- Training

Image Processing

- Perfect View (PV)
- Black / White (B/W)
- Inverse View (IN)
- High Penetration (HP)
- Low Penetrate (LP)
- Dynamic Scan (DS)
- Organic Material (OM)
- Inorganic Material (IM)
- Suspicious Organics Enhancing (Z789)
- Adjusting Brightness
- Continuous Zoom Up to 64x

Optional

- Eyes Tracking
- Intelligent Analysis Function
- Passenger-package Linkage

Specifications

General Specifications

Tunnel Size (W x H)	650mm * 500mm
Conveyor Speed	0.20 m/sec
Conveyor Load (Max. Load)	120kg (Adequate distribution)
Conveyor Height	650mm
Detector	Dual-energy Detector
View	Single-view
Supported Software	ZKBio SIS
Communication Interface	RJ45(TCP/IP)
Dimensions (L * W * H)	2120mm * 980mm *1381mm
Console Dimensions (L * W * H)	747mm * 706mm * 1279mm
Package Dimensions (L * W * H)	2395mm * 1195mm * 1680mm
Console Package Dimensions (L * W * H)	890mm * 840mm * 1502mm
Gross Weight (with Package)	680kg+140kg (Console)
Net Weight	560kg+100kg (Console)
Film Safety	ASA/ISO1600
Certifications	CE-EMC, CE-MD, FCC sDOC, FDA

X-ray Generator & Image Performance

Anode Voltage	140kV
Tube Current	0.5mA
Wire Resolution	36AWG
Steel Penetration	30mm
Spatial Resolution	HorizontalΦ1.6mm/VerticalΦ1.3mm
Penetration Resolution	32AWG
Generator Cooling	Sealed Oil Bath with Forced Air
Beam Direction	Vertically Upward
X-ray Converter	L-shaped Detector Line

Computer

Operating System	Windows 10
Processor	N100
RAM	8GB
Hard Drive	128GB SSD + 2TB HDD
Max Storage	Up to 200,000 Scanned Images
Monitor	21.5"Color LED Screen (1920*1080P)

Operating Environment

System Power	220 VAC +/- 10% 50/60Hz 110 VAC +/- 10% 50/60Hz
Power Consumption	< 300W
Noise Level	< 58dB(A)
Operating Temperature	-10°C to +45°C
Storage Temperature	-20°C to +60°C
Humidity	5-95%, Non-condensing

Health & Safety

Radiation Leak Dosage	< 0.5μSv/h (10cm From the Surface)
Compliant with Radiation Safety Standards (< 5μSv/h) for Cabinet X-ray Systems	

Dimension(mm)

