



ZKX5030C

Dual-energy Compact X-ray Inspection System



Overview

ZKX5030C X-ray Inspection System features a tunnel opening of 500 mm (W) x 300 mm (H) and is designed for scanning briefcases, carry-on luggage, and small cargo packages. Its compact design and small footprint make it easy to relocate and pass through narrow doorways. It is intended for use in stadiums, shopping malls, hotels, and similar locations.

The ZKX5030C 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.

* Kindly note: ZKX5030C equipped with a computer keyboard

Applications



Event



Shopping mall



Factory



Office Building

Highlights

- Dual-energy and true color scanning images
- Excellent penetration and spatial resolution performance
- Compact design and small footprint
- Widely used for small parcels
- 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

- Professional Keyboard
- Single Screen Console
- Passenger-package Linkage

Specifications

General Specifications

Tunnel Size (W x H)	500mm * 300mm
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)	1701mm * 796mm * 1150mm
Package Dimensions (L * W * H)	2000mm * 1000mm * 1500mm
Gross Weight (with Package)	450kg
Net Weight	380kg
Film Safety	ASA/ISO1600
Certifications	CE-EMC, CE-MD, FCC sDOC, FDA

X-ray Generator & Image Performance

Anode Voltage	140 kV
Tube Current	0.3 mA
Wire Resolution	36AWG
Steel Penetration	30mm
Spatial Resolution	HorizontalΦ1.3mm/VerticalΦ1.3mm
Penetration Resolution	30AWG
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	8 GB
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	< 58 dB(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	< 0.5 μSv/h (10cm From the Surface)
Compliant with Radiation Safety Standards (< 5 μSv/h) for Cabinet X-ray Systems	

Dimension(mm)

