

ZKX8065

Dual-energy X-ray Inspection System



Overview

ZKX8065 X-ray Inspection System features a tunnel opening of 800 mm (W) x650 mm (H) and is designed for bags, parcels, 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 ZKX8065 X-ray Inspection System uses reliable, high-quality X-ray generators and detectors, as well as image processing algorithm, to provide clear scanning images. This allows operators to visually identify potential threat items.

Applications



Event



Logistics



Factory



Transportation hub

Highlights

- Dual-energy and true color scanning images
- Widely used for scanning bags, parcels, and small cargo packages
- The movable console with professional keyboard and fingerprint verification function, offering optional enhanced access control and security features
- Compatible with ZKBio SIS software for seamless remote access and centralized security management
- Bidirectional scanning for flexible conveyor operation in either direction, enhancing work efficiency and installation adaptability
- Energy-saving mode that minimizes power consumption in idle periods
- Foldable conveyor with removable ramp
- Excellent ergonomic industrial design

Standard

Standard Features

- Dual-energy Imaging (4 Colour)
- True color Scanning Images
- Cargo package Screening
- Energy Saving Mode
- Compatible with ZKBio SIS software
- 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 Penetration (LP)
- Dynamic Scan (DS)
- Organic Material (OM)
- Inorganic Material (IM)
- Suspicious Organics Enhancing (Z789)
- Adjusting Brightness
- Continuous Zoom Up to 64x

Optional

- Intelligent Analysis Function: auto-detects and flags prohibited items like lighters or knives in X-ray images.
- Passenger-package Linkage

Specifications

General Specifications

Tunnel Size (W x H)	800mm * 650mm
Conveyor Speed	0.20 m/sec
Conveyor Load (Max. Load)	180kg (Adequate distribution)
Conveyor Height	375mm
Detector	Dual-energy Detector
View	Single-view
Supported Software	ZKBio SIS
Communication Interface	RJ45(TCP/IP)
Dimensions (L * W * H)	2924mm * 1207mm * 1500mm
Console Dimensions (L * W * H)	747mm * 706mm * 1279mm
Package Dimensions (L * W * H)	2200mm * 1300mm * 1700mm
Console Package Dimensions (L * W * H)	890mm * 840mm * 1502mm
Gross Weight (with Package)	840kg+140kg (Console)
Net Weight	700kg+100kg (Console)
Film Safety	ASA/ISO1600
Certifications	CE-EMC, CE-MD, FCC sDOC

X-ray Generator & Image Performance

Anode Voltage	80-160kV (adjustable)
Tube Current	0.3-1.0mA(adjustable)
Wire Resolution	36AWG
Steel Penetration	34mm
Spatial Resolution	Horizontal Φ 1.3mm / Vertical Φ 1.3mm
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	i5-10500H
RAM	8GB
Hard Drive	1TB HDD
Max Storage	Up to 100,000 Scanned Images
Monitor	21.5"Color LED Screen (1920 x 1080P)

Operating Environment

System Power	220 VAC +/- 10% 50/60Hz 110 VAC +/- 10% 50/60Hz
Power Consumption	< 800W
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	< 0.5 μ Sv/h (10cm From the Surface)
Compliant with Radiation Safety Standards (< 5 μ Sv/h) for Cabinet X-ray Systems	

Dimension(mm)

