

# ZKX6040A

## Single-energy Hassle-free X-ray Inspection System



### Overview

ZKX6040A X-ray Inspection System features a tunnel opening of 600 mm (W) x 400 mm (H) and is designed for scanning briefcases, carry-on luggage, and small cargo packages, its compact design and foldable keyboard make it highly mobile, allowing it to be placed in hotels, shopping malls, transportation hubs, and similar locations.

The ZKX6040A 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



Shopping mall



Hotel



Exhibition center



Event

### Highlights

- Single-energy and pseudo-color scanning images
- Widely used for small parcels
- The foldable keyboard with fingerprint verification for extra features
- Support ZKBio SIS Platform Management Software
- Bidirection scan
- Energy-saving mode
- Equipped with entry and exit roller table
- Excellent ergonomic industrial design

## Standard

### Standard Features

- Single Energy Imaging (4 Colour)
- Pseudo-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)
- Training

### Image Processing

- Perfect View (PV)
- Black / White (B/W)
- Inverse View (IN)
- High Penetration (HP)
- Low Penetrate (LP)
- Dynamic Scan (DS)
- Adjusting Brightness
- Continuous Zoom Up to 64x

## Optional

- Single Screen Console
- Passenger-package Linkage

## Specifications

### General Specifications

Tunnel Size (W x H)	600mm * 400mm
Conveyor Speed	0.30 m/sec
Conveyor Load (Max. Load)	120kg (Adequate distribution)
Conveyor Height	680mm
Detector	Single-energy Detector
View	Single-view
Supported Software	ZKBio SIS
Communication Interface	RJ45(TCP/IP)
Dimensions (L * W * H)	1701mm * 910mm * 1305mm
Package Dimensions (L * W * H)	2110mm * 1140mm * 1540mm
Gross Weight (with Package)	480kg
Net Weight	380kg
Film Safety	ASA/ISO1600
Certifications	CE-EMC, CE-MD

### X-ray Generator & Image Performance

Anode Voltage	80 kV
Tube Current	0.6 mA

Wire Resolution	36AWG
Steel Penetration	8mm
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	< 0.3 μSv/h (10cm From the Surface)
Compliant with Radiation Safety Standards (< 5 μSv/h ) for Cabinet X-ray Systems	

### Dimension(mm)

