

# ZKX6040

## Baggage Inspection X-Ray Machine

High-energy Hassle-free X-ray System



**ZKX6040** is an advanced dual-energy X-ray baggage inspection assistant whose capabilities include penetration of up to 35mm of steel with an optimized algorithm. Its tunnel opening is as large as 600 mm by 400 mm.

**ZKX6040** can detect organic matter, inorganic substances and mixture accurately in all kinds of packages according to the effective atomic number of the examining objects.

Benefit from the compact design with a foldable keyboard, **ZKX6040** has high mobility and could be placed in hotels, government offices, transportation hubs.

### Features

- Steel Penetration up to 35mm
- Foldable Keyboard
- Verification with Fingerprint
- Display of Cluttered Bag Images together with the Status of the Walk-through Metal Detector
- Input/Output Roller Conveyor

### Options

- Operator Desk
- Uninterruptible Power Supply (UPS)
- Video Surveillance

Eye Tracker (eye tracking technology reflecting the position of the user's eyes and the gaze point on a screen as they are operating X-ray inspection. There will be a prompt when the operator's eyes are off the screen.)

### Software Features

- Perfect View (PV)
- Black / White (B/W)
- Pseudo Colors (PS)
- Inverse View (IN)
- High Penetration (HP)
- Real-time Image Processing and Image Zoom (64x)
- Image of Previous Baggage
- Programmable Function Keys
- Baggage Counter
- Date / Time Indicator
- Threat Image Projection (TIP)

## Specifications

### Technical Characteristics

Tunnel Dimensions (W*H)	600*400 (mm) / <b>23*15 in</b>
Conveyor Speed	0.20m/sec
Load on Conveyor	180kg (evenly distributed)
Conveyor Height	680 mm / <b>26 in</b>
Space Definition	Horizontal $\Phi$ 1.0mm Vertical $\Phi$ 2.0mm
Steel Penetration	35mm
Wire Resolution	38AWG
Dual-energy Detector	Yes
Number of Colors in X-ray Image	3
Dimensions (L*W*H)	1701*910*1305 (mm) / <b>67*36*52 in</b>
Package Dimensions (L*W*H)	1990*990*1485 (mm) / <b>83*48*63 in</b>
Weight	380 kg / <b>838 lb</b>
Package Weight	480 kg / <b>1059 lb</b>
Film Safety	ASA/ISO1600 standard of film safety
Single Inspection Dosage Rate	$\leq 1.0\mu\text{Gy}$
Supported Software	Bio SIS
Communication Interface	RJ45(TCP/IP)
Radiation Leak Dosage	0.1 $\mu\text{Gy/h}$ (5cm from the surface)

### Operating Environment

Operating Temperature	-10°C to +45°C
Storage Temperature	-20°C to +60°C
Humidity	5-95%, non-condensing
Power Supply	230 VAC +/- 10% / 60/50 Hz (EU) 110 VAC +/- 10% / 60/50 Hz (US)
Power Consumption	Max. 1.0 kVA
Sound Pressure	54dB

### Computer Specifications

Processor	Intel® Braswell SoC N3160 (QC-2.24GHz)
Monitor	21" LED color
Memory	Onboard 4 GB RAM
Hard Drive	1TB
USB Port	4 ports
Max. Storage	Up to 200,000 scanned images

### X-ray Generator

Tube Current	0.8 mA
Anode Voltage	150 kV rated
Generator Cool	Seal oil cooling / 100%
Orientation	Vertically upwards

## Dimensions (mm/in)

