eSSL®
Security at Fingertips

Single Energy X Ray Baggage Scanner

eBS5030A



Features and Benefits

The process involves passing the baggage through an X-ray machine that emits electromagnetic radiation in the form of X-rays. The X-rays pass through the baggage and create an image of the contents on a screen, which is monitored by a trained operator.

The operator is able to detect any potentially dangerous items, such as weapons or explosives that may be hidden in the baggage. X-ray baggage inspection is a non-intrusive method of screening, and it allows for the detection of dangerous items without the need for physical searches.

Image Performance System

- X-ray sensor L type photodiode array detector (energy), 24 bi depth ;
- Display High-resolution liquid crystal display, 24-bit color ;
- Color management architectures Different color, different matter ;
- Inverse. white/black/colorized For comparing these images to find the suspected dangerou goods;
- To eliminate organic. Inorganic out ln view of the most important image;
- Edge enhancement The edge of image is more clear ;
- High penetration Make the image more through, to look every goods in one image ;
- Zoom in/zoom out Make the image bigger, make the image smaller ;
- times size of image Make image back to 1 times size of image;
- Brighter/darker Make image more bright /make image darker ;
- Replay Playback all images on the screen at current, be able to do the next steps

Description

- Single-Energy, L-shaped array detector
- Display date/time baggage counter User ID number
- One-key shutdown control, Just rotate the key to shut down the machine; it is safe, easy, and convenient
- High-resolution PHILIP 19-inch color LCD display
- X-ray sensor—L-type photodiode array detector (energy), 24-bit depth
- Image Storage—100,000 pictures in real time (can be customized)
- Orientation : Upward;
- Tube Current : 0.6mA;
- Anode voltage : 80KV X ray Generator (adjustable)；
- X-ray divergence angle : 60 °;
- Generator cooling/working periods: sealed oil bath with forced air/100%;
- Single Direction : Bidirectional (IN /Out Optional & customized)
- Windows based operating system
- Image Output : Color/BW, Negative, High/Low penetration, Organic /Inorganic
- Accessories : 19 Inch LCD Monitor, Foldable Keyboard, Baggage Collection Tray & Tool kit
- Product Weight : 410Kg
- Package Dimension : 1810*910*1450

General Specifications

• Tunnel Size	500 (W) ×300 (H) mm
• Conveyor Speed	0.22m/s
• Conveyor Max Load	150 kg
• Single inspection dosage	<1.32μGy
• Leakage radiation	< 0.06μGy/h
• Wire Resolution	40AWG(0.0787mm metal line)
• Steel Penetration	10mm
• Film Safety	For ISO 1600
• Storage Temperature	-20°C to 60°C
• Operating Temperature	0°C to 45°C

X-ray Generator:

• Orientation	Upward
• Tube Current	0.4~0.7MA (adjustable)
• Anode voltage	80KV (adjustable)
• X-ray divergence angle	60 °
• Generator cooling/working periods	sealed oil bath with forced air/100%
• X-RAY SENSOR	L-shaped array detector, 24bit

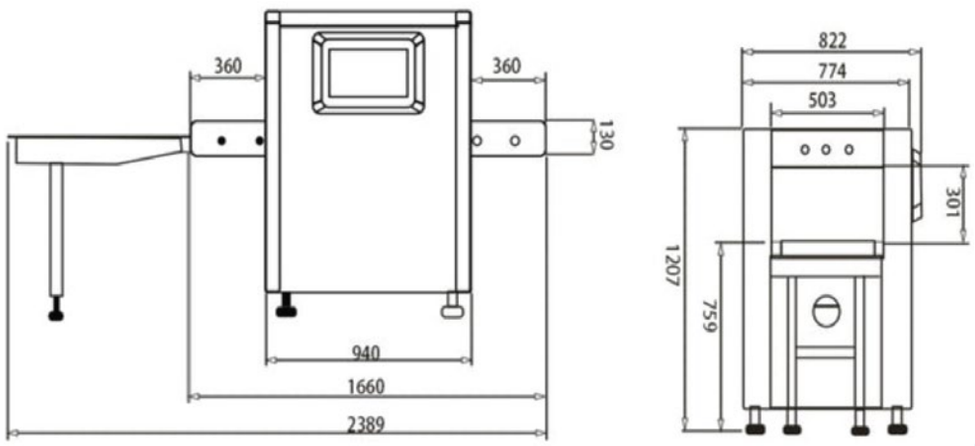
Operating Environment

• Storage Temperature	-20°C to 60°C
• Operating Temperature	Operating Temperature
• Relative Humidity	20 to 95% non-condensing
• System Power	220 VAC (±10%) 50 ±3HZ
• Power wastage	1.0 KW (Max)
• Noise	<65DB

Special Features

• Network interface	Capable of connecting to LAN, and support multi-terminal check for baggage at same time
• Safety x-ray	X-ray is transmitted under automatic control, avoiding the error; One-key shutdown control: Just rotate the key to shut down the machine; it is safety, easy and convenient
• Eagle eye	Capable of expediently observing the magnifying area Self-diagnosis function: Give message automatically if malfunction for prompt maintenance

Dimension



Disclaimer : Brief specifications are mentioned here. Specifications may change without prior notice. Customers are advised to check with us before purchase. Actual product may differ slightly to that depicted for ongoing product development.

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