

X-ray Baggage Scanner

eBS-5030A

Product introduction

The 5030A X-ray security inspection equipment is a single energy X-ray baggage scanner independently developed and produced by our company. It is suitable for the security inspection of briefcases, hand luggage, postal bags and small and medium-sized packages. It is widely used in courts, procuratorates, prisons, hotels, museums and gymnasiums.



Product parameters

Basic parameters

Channel size: 500 * 300mm (width * height)

Conveyor load : 100 Kg (uniform load)

Wire resolution : > 38 AWG

Conveyor speed : 0.22 m/s

Penetration : > 8 mm steel plate

Spatial resolution : horizontal/vertical Φ 1.0mm

X ray Generator

Control interface: analog interface

Tube Current : 0.6 mA

Cooling method: sealed oil cooling, industrial fan cooling

Protection function: over voltage, over current, over temperature protection

Anode voltage : 80 KV

Work period: 100%, no need to preheat

Radiation safety indicators

Leakage radiation : < 0.5 μ Gy/h (5cm away from the shell)

Security: safe for film, chips, and electronic products

Leakage radiation: < 0.5 μ Gy/h

Radiation protection: 0.5mmPb double-layer environmental protection lead curtain protection is adopted for the entrance and exit of the passage, and the main body is protected by 2 ~ 6mm lead plates to ensure that the peripheral radiation of the equipment meets the national safety standards

Installation data

Noise level : < 58 dB(A)

Power wastage : 0.5 KW (MAX)

Height of belt : 650 mm

Package size : 1570 mm(L) * 840mm(W)* 1270mm(H)

Weight : 220 Kg

System Power : AC220V \pm 10% , 60Hz \pm 5Hz

External dimensions : 1500 mm(L) * 770mm(W)* 1100mm(H)

Product feature

Modular

The internal circuit structure of the equipment adopts a modular design idea, and through a reasonable layout design, the anti-interference ability of the equipment is improved to ensure stable operation of the equipment and convenient maintenance;

Digitization

The hardware system adopts the latest ASIC all-digital design, IN-depth deep acquisition technology, and optimizes the circuit design relative to the analog acquisition scheme. It has the characteristics of high integration, strong anti-interference ability, and clear imaging effects;

Intelligent

The software system integrates practical functions such as RTOS real-time image processing system, TIP dangerous goods insertion, dangerous goods auxiliary alarm, remote control management, and quick image backup;

Automation

The system integrates one-key switch machine, infrared energy-saving sensor, emergency alarm prompt, fault self-check and other functions.

Imaging renderings

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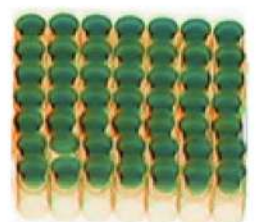
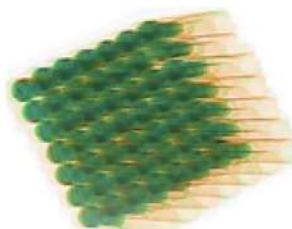
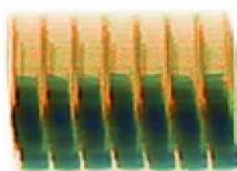


Image processing

Display : High-resolution 19-inch display

Image display : According to the material material, color display

Edge enhancement : The contour edges of objects are clearer

High-penetration display : Improve the contrast of bright areas in the image, making the easy-penetrating areas clearer.

Low penetration display : High contrast of dark areas in the image, making difficult penetration areas clearer.

Magnifying glass : Continuously zoom in more than 64 levels, dynamic zoom display

Image playback : Quickly browse and display any saved image

Image storage : Save images in real time, and can perform arbitrary image processing, continuous work save, and can be saved as BMP, JPG, PNG and other formats of pictures.

Image color : The organic matter is displayed as orange, the inorganic matter is displayed as blue, and the mixture is displayed as green

Sound and light alarm : The alarm threshold can be set, and it will automatically alarm when the conditions are met.

