

X-RAY BAGGAGE SCANNER

Model - NS-XSI-600



Overview

X-ray baggage scanner is a security device used to inspect baggage and other items for concealed threats. It emits X-rays that penetrate through the object, generating an image that displays its contents on a monitor.

Security personnel use this image to identify potential threats, such as weapons or explosives.

Features

- X-ray baggage scanner produces high-quality images luggage.
- Multiple viewing angles enhance efficiency of the product.
- The device can quickly scan large volumes of luggage.
- Image quality, contrast, and other parameters can be optimized.
- The product can quickly respond to any potential threats.
- It has built in self check and diagnosis function.

Benefits

- X-ray scanners identify threats quickly and accurately.
- Detection of potential hazards improves safety for all.
- Large volumes of luggage can be screened quickly.
- X-ray scanners are affordable and require minimal maintenance.
- Passengers are not physically affected by the scanning process.
- Scanners can identify weapons, explosives, and contraband.

Technical Specifications

Tunnel Size	613*409.5mm (width*height) (±20mm)
Product Size	2648*844*1234mm
Wire Resolution	TypicalAWG40
Penetration Resolution	TypicalAWG36
Spatial Resolution	Vertical:1.0mm, horizontal:1.0mm
Steel Penetration	Typical 34mm (±2mm)
Resolution of Organic Matter	1-120mm
Gray Scale and Mixture Resolution	1-40mm
Resolution of Inorganic Objects	1-60mm
X-Ray Dosage Each Inspection	≤4.5μSv (uGy)
Boundary Leakage	≤1.0μSv /h(uGy/h)
S/N Ratio	<60dB
Conveyor Speed	0.2m/s
Conveyor Max Load	160 kg
Power Consumption	0.5K W
Leakage Current	≤5.0mA
Film Safety	Guarantee ASA/ISO1600Film
Weight	450kg
Operational Temperature/Humidity	5°C-40°C/0%-90%
Storage Temperature/Humidity	-20°C-60°C /10%-90%
Atmospheric Pressure	86kPa-106kPa AC
Operation Power	220V(±10%-15%) 50±3Hz
Operation System	LINUX
X-Ray Generator	140 K V, oil cooling, from bottom to top
Electric Roller	DC
Operating	Linux system, memory 2G, storage 8G

Technical Specifications

Monitor	19" LED screen, Resolution: 1920*1080 pixels
Power-On Self-Test	The function of fault self-check automatically judges the fault and prompts the fault code information in time.1-64times enlargement continuity
Image Processing	With the function of Color/ B W, negative, high/low penetration, organic /inorganic stripping, general enhancement, pseudocolor, etc
Image Recall	30 preceding images are recallable.
Images Storage	Up to 10,000 images are stored automatically.
Real-Time Curve	The real-time curve can be used to detect whether the acquisition system and components work normally.
Time Setting	System time can be set manually
Probe Setting	It can realize the manual deletion of the low and low energy detection board dead pixels, and display the deleted dead pixels in the display area
Ray Source Setting	There are two source and analog source control modes, the source parameters of the digital source can be set.
Alarm System	The alarm function can be activated and deactivated, the alarm type of the alarm box sound and light alarm can be selected, and the sensitivity, minimum absorption rate, the maximum absorption rate, and alarm duration can be set
Trouble Shooting	It can realize whether the components such as the entrance and exit light barrier, side panel switch, emergency stop switch and light source are normal, and display the standard value and the current value of the detection voltage
Image Setting	The drum running control direction and the image display moving direction can be set
Software Registration	It can realize software registration functions and has a serial number, registration code, registration status and system time information display
User Login	Log in by entering different user names and passwords, only when logging in can you make other settings.

Technical Specifications

Software Registration	It can realize software registration functions and has a serial number, registration code, registration status and system time information display
User Management	You can add, delete, edit the user name and password, and set the user level to restore the deleted user.
language	English
About	The version and device number can be displayed
TIP Report	The report can be generated by the tip operation after the tip insertion function is turned on, and the content of the report: user name, number of tip insertions, number of tags, false-positive rate, probability of detection, probability of false positives.
Tip Management	It can be set to enable and disable the insertion of dangerous goods, and can set the identification time, Prompt time, insertion frequency, proportion of single items inserted into dangerous goods, add tip files and delete files
Document Management	It can query, open, and export the checked image.
Function Setting	It can set log level, save the file time, whether to open the training function and set the smart roller
Data Setting	Display system working hours, the total working hours of the ray source, the total number of system baggage and packages, and the total number of baggage packages this time, and clear the above data.
System Parameter Setting	It can select the exported data, pictures, and backup directory, select and adjust the motor type, detector type, whether to enable the debug mode, model, and gain, enter the corresponding IP address on the network connection to realize sharing function and have corresponding software to achieve system upgrade.



Disclaimer:

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