

X-RAY BAGGAGE SCANNER

Model - NS-XSI-500



Overview

X-ray baggage scanner is a security device used to inspect luggage 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

CPU	Intel quad-core processor
RAM	8 GB
Operating System	Embedded Linux OS
User Interface	Local GUI (full functions); Web interface
Tunnel	size 500 mm × 300 mm (19.69" × 11.81")
X-ray Tube Anode Voltage	80kv
X-ray Tube Cooling	Sealed oil bath with forced air
Wire Resolution	40 AWG (0.0787 mm)
Penetration(steel)	8 mm
Leakage Dose-rate	≤ 0.9 μSv/h(μGy/h)
Noise Level	≤ 65 dB
Conveyor Speed	0.2 m/s
Maximum Belt Load	80 kg (176.37 lb)
Conveyor Hight	approx. 665 mm
Current Leakage	≤ 0.25 mA
Film Safety	ISO 1600 (33 DIN)
Power Supply	220–240 VAC, 50/60 Hz; 100–130 VAC, 50/60 Hz (optional)
Typical Power Consumption	220 W
Maximum Power Consumption	650 W
Intelligent Temperature Contro	Detects the temperature of main board and HDD and automatically adjusts fan speed to make it work stably and quietly
Operating Temperature	0 °C to +45 °C (32 °F to +113 °F)
Operating Humidity	0%–95% (RH), non-condensing
Storage Temperature	–20 °C to +70 °C (–4 °F to +158 °F)

Technical Specifications

Storage Humidity	0%–95% (RH), non-condensing
Dimensions	1665 mm × 766 mm × 1202 mm (65.55" × 30.16" × 47.40")
Package Size	1805 mm × 1026 mm × 1425 mm (71.06" × 40.39" × 56.10")
Net Weight	300 kg (661.39 lb)
Gross Weight	350 kg (771.62 lb)
Installation Mode	Floor installation
RS 232 Port	1-channel RS-232 port
Power port	1-channel port for monitor power supply 12V1A power output
USB Port	2-channel USB3.0 for controlling the operation keyboard and mouse
Display Port	2-channel HDMI outputs (same source)
Alarm Port	2-channel alarm output; 2-channel alarm input
2-channel alarm output; 2-channel alarm input	2 (on the machine body)
Power Button	1 (on the machine top)
Key Switch	1 (on the machine top)
Indicator light	On the machine: Power indicator: Turns solid green when the machine is working and flashes during updates and when an error occurs X-ray indicators: the red light is always on when X-ray is turned on, but not when X-ray is turned off Key switch indicator
Preview	Real-time display of X-ray package image and camera image; real-time item intelligent analysis
Item Recognition	Recognizes items and displays AI overlay; the AI overlay box moves with packages
Recognition Types	Recognizes 21 types of objects: Guns, fireworks, spray cans, knives, axes, scissors, nail polish, bottled liquids, glass bottles, thermos bottles, plastic bottles, handcuffs, nightsticks, brass knuckles, lighters, tools, electronic products, mobile phones

Technical Specifications

Danger Levels	High risk, warning, and safe (supports custom configuration according to types of objects)
Event Linkage	I/O alarm, voice prompt, platform alarm can be triggered according to danger levels
Image Storage	Stores as much as 1 million images with information on their danger levels and the types of objects detected. Original and analyzed images can both be viewed
Baggage Search	Search, play back, and export baggage images and linked videos according to time, objects type and more
Report Search	Generate and export reports according to time and object types
Backup	USB/Network
Self-inspection	Automatically detects system failures and prompts error codes
Image Processing	Enhancement functions include color/black and white, local enhancement, super enhancement, edge enhancement, image scanning, inverse, Penetration enhancement, light, dark, high density alert, AI overlay, vertical flip, pseudo color and more
Image playback	Supports playback of 30 images
Image Zooming	Zoom in X-ray images up to 64x. Drag the focus position using a mouse or direction- keys
Device Diagnosis	Supports diagnosis of key components such as the detector, motor, IR sensor
Detection Configuration	Key function configuration; image display configuration (vertical flip and max zoom times), scan mode configuration (double direction, forward scan), baggage counter configuration and person-package linkage configuration



Disclaimer: Brief product specifications are mentioned, that may change without prior notice, please check with OEM before purchase. Images are shown for reference only; the actual product may differ due to product enhancement.