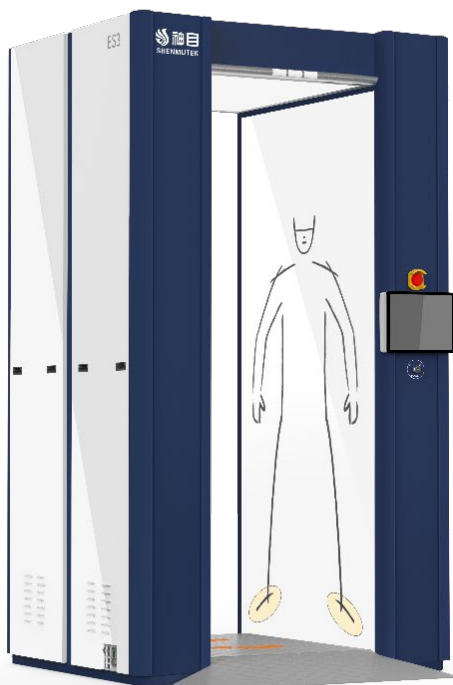


SHENMUTEK™ ES3

Millimeter Wave Body Inspection Device



Introduction

SHENMUTEK™ ES3 Millimeter Wave Body Inspection Device is a high-performance, efficient body inspection solution designed and manufactured by SHENMUTEK. It adopts a new appearance, simple and friendly, which has better image resolution and object recognition ability. ES3 can easily detect metallic/non-metallic weapons, explosives, drugs and liquid hidden under or within clothing.

ES3 employs wide-bandwidth three-dimensional holographic millimeter-wave imaging technique (with neural network-based deep learning) to achieve automatic threat recognition. The device requires a single stationary position from the person being scanned for a two-second scan and can detect concealed objects without a physical “pat-down”.

ES3 provides additional features in its compactness, high throughput and unique privacy protection. The device is adaptable and ideally suited for security inspections at customs, prisons, stations, secret agencies, commercial buildings, special events and other checkpoints.

Features

- ◆ Active MMW imaging technology
- ◆ Double-sided flat scanning mode
- ◆ ATR functional algorithm
- ◆ Comprehensive security inspection
- ◆ Foot metal detection capability
- ◆ Friendly experience for passengers
- ◆ No ionizing radiation hazard to body
- ◆ Integrated LED traffic indicator
- ◆ Low power consumption and noise
- ◆ Flexible and friendly in deployment
- ◆ Life cycle equipment management
- ◆ Comfortable standing posture
- ◆ Protect personal privacy

Technical Data

General Specification

Technical Principle	Millimeter Wave Holographic Imaging
Inspection Mode	Non-contact
Scan Time	2 s
Inspection Time	4 s
Imaging Capabilities	Metallic/non-metallic weapons, IEDs, drugs, liquids, etc.
Contrabands Mark	Automatic Threat Recognition (ATR)
Privacy Protection	Cartoon Figure
Applications	Customs, subway stations, government agencies, prisons, embassies, and other commercial buildings

Functions and Configurations

User Interface	12" colour touchscreen with easy software UI
Prompt Facility	Integrated LED traffic light to indicate passenger
Detection Capability	Equipped with foot metal detector (Optional)
Data Storage	>100,000 images (Expandable memory)

Installation Data

System Dimensions	1188 mm(L) × 1408 mm(W) × 2388 mm(H) (Without ramp)
Channel Dimensions	750 mm(W) × 2100 mm(H)
Weight	500 kg
Power Supply	110/220 VAC, 50/60 Hz
Power Consumption	1 kW
Operating Temperature	-5 °C to +45 °C
Operating Humidity	0 to 95% non-condensing
Operating Noise	<60 dB(A)



For more product information, visit www.shenmutek.com

SHENMUTEK COMPANY LIMITED

Address: 4/F, Block D, Jingyi Science and Technical Mansion,
Dazhongsi Road, Haidian District, Beijing, China, 100084

Tel: (8610) 62780930

Fax: (8610) 62780936

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