

ES3

Body Inspection System

Millimeter radio wave (MMW) technology • Widely used in a variety of applications



MILLIMETER WAVE IMAGING TECHNOLOGY

Active millimeter wave imaging technology - no ionizing radiation emitted

SUPERIOR INSPECTION CAPABILITY

Effective detection of metallic/non-metallic weapons, IEDs, liquids and narcotics concealed under clothing

FAST AND EFFICIENT

Complete whole-body scan less than two seconds with hands-down posture

PRIVACY PROTECTION

Generic image displayed to protect privacy

AUTOMATIC THREAT DETECTION

Achieved European Civil Aviation Conference (ECAC) SSc A2 and Civil Aviation Administration of China (CAAC) A level

MUTIPLE OPERATION MODES

Compatible with stand-alone mode (only local device), provide one or more re-check stations

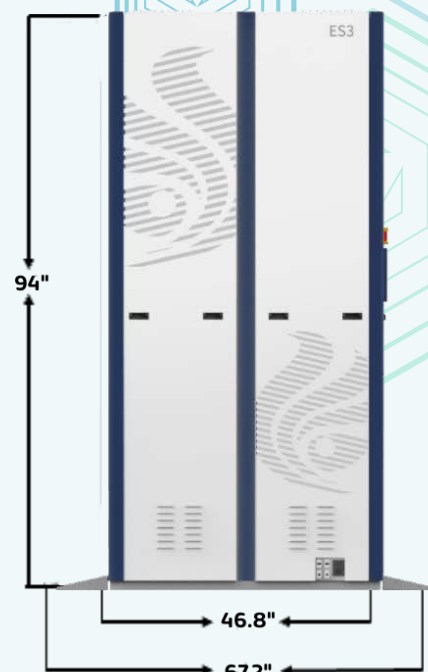
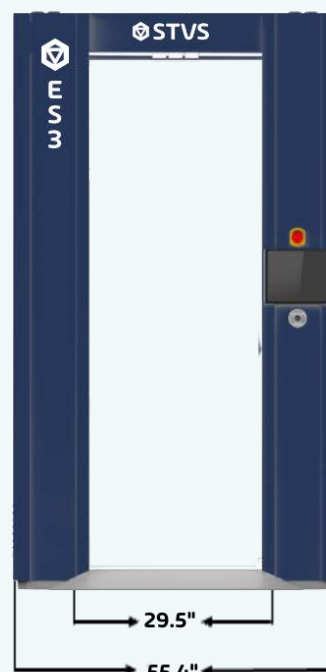
ENVIRONMENT FRIENDLY

Low power consumption, small footprint, wide channel, wheelchair accessible

ES3 Millimeter Wave Body Inspection Device is a high-performance, efficient bod inspection solution designed and manufactured by STVS. It adopts a new appearance, simple and friendly, which has better image resolution and object recognition ability. ES3 can easily detect non-metal/metal 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 is capable of detecting concealed objects without 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, stations, secret agencies, commercial buildings, military bases, special events and other checkpoints.



ES3

INSPECTION ITEMS



TECHNICAL SPECIFICATION

Inspection mode	Non-contact
Scan time	≤ 2s
Standard operator number	1
Detection capabilities	Metal/non-metal weapons, explosives, drugs, liquids.

IMAGING PROCESSING SYSTEM

Automatic threat recognition	Yes
Privacy protection	Yes
Image processing (optional)	Contrast & brightness adjustment, reverse, pseudo color, etc.

INSTALLATION DATA

System dimensions	94 in (H) x 55.4 in (W) x 46.8 in (D)
Tunnel dimensions	82.7 in (H) x 29.5 in (W) x 46.8 in (D)
Weight	1,212.54 lbs
Power supply	110V/220VAC, 50/60Hz
Power consumption	1kW (Peak)
Operating temperature/Humidity	23°F ~+113°F / 0% ~ 93% (non-condensing)
Storage temperature/Humidity	-4°F +131°F / 0% ~ 93% (non-condensing)

ADVANCED FUNCTION

Optional features	Foot metal detection, re-check station, remote work station, centralized detection & management
Certificates	ECAC SSc A2, CAAC A level, CE.