Introduction

Hikrayin ISD-SMW1701S Millimeter wave body scanner is a series of security body inspection systems based on the characteristics of millimeter wave and the principle of SAR (synthetic aperture radar). The system can quickly generate a 3D holographic image of the scanner body, identify and locate various metallic and non-metallic suspicious items concealed and indicate on a cartoon manikin without any contact to the body. This system is ideally for security scenarios like airports, customs, prisons, etc.

Features

•**Comfortable and Safe**: The person being scanned stands naturally with arms hanging down and slightly apart, pauses briefly, and feels at ease. The millimeter wave is reflected by the skin and cannot penetrate the body with no ionized radiation. So it is totally safe for children, pregnant women, people with stent and other electrical medical devices, and the elderly.

•**Accurate and Reliable**: Detection resolution can reach 2 mm. Location and shape of the concealed items can be displayed with high accuracy. With the deep learning intelligent detection algorithm, the system can detect various of metallic/non-metallic items, such as guns, knives, tinder, explosives, narcotics, cash, luxury goods, etc.

•**Fast and Efficient**: A full scan can be completed in 2 seconds, with a throughput rate of up to 700 people per hour.

•**Privacy Protection**: The operator performs the scanning according to the sex of the person being inspected. Only cartoon images are generated to show the alarm area and displayed on the local screen together with the alarm positions.
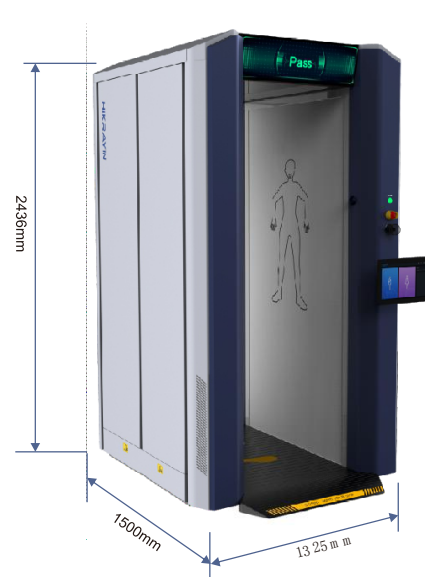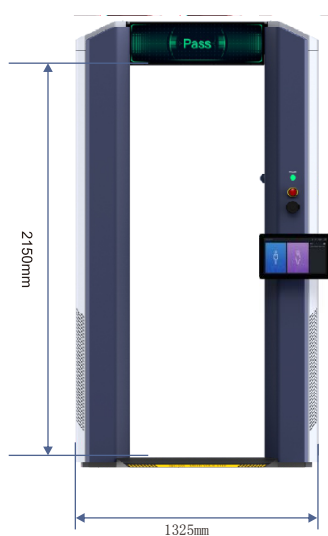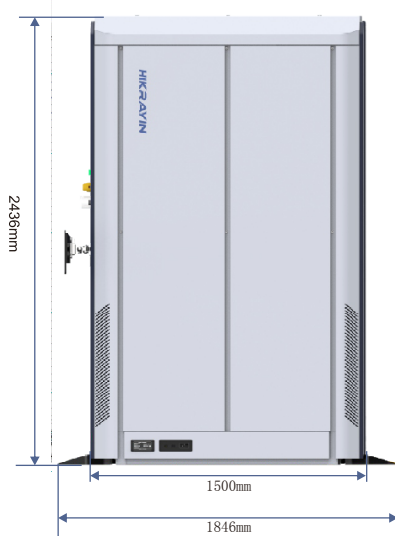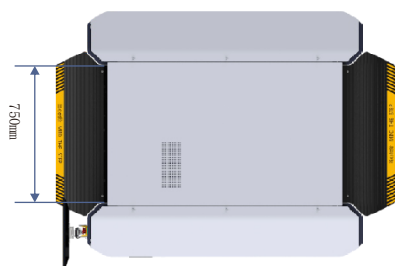
Specification

Millimeter Wave Body Scanner	
Dimensions	2436 mm (H) × 1325 mm (W) × 1500 mm (L)
Tunnel Size	2150 mm (H) × 750 mm (W) × 1275 mm (L)
Weight	600 kg
Power Supply	AC 220-230V，50/60Hz
Power Consumption	900W（Rated）
Operating Environment	Operating temperature: -5 to 45 °C Relative humidity: 95% No condensation
Storage Environment	Storage temperature: -20 to 60 °C Relative humidity: 95% No condensation
Inspection Method	Non-contact
Scan Time	≤2 s
Throughput	700 people / hour
Detectable Item Categories	Metal/non-metal, weapons, knives, liquids, powders, explosives, fire sources, large amounts of cash, etc.
Inspection Posture	Standing naturally with arms hanging down and slightly apart
Line Resolution	2 mm
Spatial Resolution	3 mm
Detection Time	≤4 s
Optional Functions	Platform management server, remote image processing workstation, manual inspection station, image viewer.
Image Processing(Optional)	Support brightness & contrast adjustment, scaling, inverse, and pseudo-color, etc.
Display	29 inch LCD dual screen both in the front and rear
Interface	Single side power port, double RJ45 ports, distinguish between internal network and external

Model

ISD-SMW1701S-C

Dimension

750mm

2436mm

1500mm

1846mm

2150mm

1325mm

Pass

2436mm

1500mm

1325mm

Pass

Optional Accessories

Remote Workstation	Operator Station