



## ISD-SMW1701S-C

HIKRAYIN SMW1701S Series of Millimeter Wave Person Security Inspection System, which is independently developed and produced by Hangzhou HikRayin Technology Co., Ltd. The product is based on millimeter wave penetration fabric characteristics and synthetic aperture radar principle, in a non-contact way to the person being inspected for rapid 3D holographic imaging, through artificial intelligence algorithms to identify all kinds of metal and non-metallic items hidden under clothing. And mark in the action figure, which is for the operator to further directional inspection. In the work mode of manual recognition, the detection results in the form of the original image + intelligent identification results intuitively presents in the remote workstation. Powerful image processing function can assist the manual recognition of the images.

- Comfortable and safe: the person being inspected stands naturally, with arms hanging down and slightly open, stay briefly, easy and comfortable; the transmitting power is only 1% of the transmitting power of the cell phone. In addition, the millimeter wave is reflected by the human skin and does not enter into the body, no ionizing radiation; children, pregnant women and the elderly can be used safely.
- Accurate and reliable: based on E-band high-frequency millimeter wave, with a resolution of 2mm, accurately demonstrates the location and shape of items hidden under clothing; based on the deep learning intelligent algorithm, comprehensive detection of all kinds of metal/non-metal items, such as guns, knives, tinder, explosives, drugs, large amounts of cash, etc.
- Fast and efficient: 2 seconds to quickly finish the whole-body scanning, intelligent business management platform efficiently diverts the manual diagnosis of the images and hand inspection display table, the maximum passing rate of 900 people/hour.

### ▪ SPECIFICATION

### Millimeter Wave Person Security Inspection System

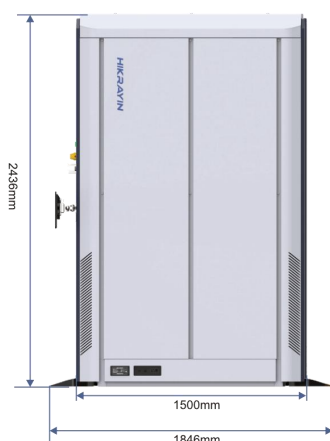
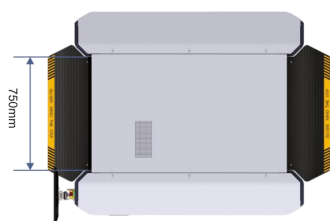
Dimension	2436 mm (H) x 1325 mm (W) x 1500 mm (L)
Tunnel Size	2150 mm (H) x 750 mm (W) x 1275 mm (L)
Weight	570 kg
Power Supply	AC 220V, 3.5A, 50Hz
Power Consumption	750W (rATED)
Working Environment	Operating temperature: -5~45 °C Relative humidity: 95% No condensation
Storage Environment	Storage temperature: -20~60 °C Relative humidity: 95% No condensation
Checking method	Non-contact
Scanning time	< 2 s
Passing rate	900 people / hour
Detectable item classification	Metal/non-metal, Weapon, knife, liquid, powder, explosive, fire source, large amount of cash, etc.
Detection Mode	AI intelligence, AI intelligence + manual, AI intelligence + hand inspection display table, AI intelligence + manual + hand inspection display table
Posture for inspection	Standing posture for inspection with arms naturally hanging down and slightly open
Line resolution	2 mm
Spatial resolution	3 mm
Detection time	< 4 s
Privacy protection	<ul style="list-style-type: none"> <li>· The operator performs scanning according to the gender of the person to be inspected.</li> <li>· The local display end and hand inspection display table only show the person figure, and the original image is pushed to the management platform after AI facial features recognition processing, according to the gender of the person to be inspected and the online operator to assign; The identification end and Web management background show the original image after facial blurring processing.</li> <li>· The original image is encrypted, which is adopted the special image viewing software from HIKRAYIN to open and decrypt. The whole process log is recorded for easy traceability and privacy protection.</li> </ul>
Optional functions	Platform management server, remote identification workstation, hand inspection display table, image viewer

Package size	<b>【Complete Machine version】</b> Machine case: 1900mm x 1610mm x 2785mm Accessory box: 1670mm x 1170mm x 449mm <b>【Split version】</b> Package 1: 1412mm x 1242mm x 494mm Package 2: 882mm x 572mm x 477mm Package 3: 2518mm x 1838mm x 608mm Package 4: 2518mm x 1838mm x 608mm Package 5: 1670mm x 1170mm x 449mm Package 6: 1064mm x 321mm x 194mm Package 7: 1064mm x 321mm x 194mm Package 8: 2270mm x 1265mm x 160mm Package 9: 2315mm x 710mm x 285mm Package 10: 2315mm x 710mm x 285mm
Gross weight	Complete Machine version: 849Kg. Split version: 954Kg
Image processing	support brightness contrast adjustment, scaling, inverse color, pseudo-color
Display	29 inch LCD dual screen both in the front and rear
Interface	Single side power port, double RJ45 port, distinguish between internal network and external



## ▪ Model

ISD-SMW1701S-C

## ▪ Dimension



- **Accessories**
- **Recommended Purchase**

<b>ISD-SMWR01</b> Remote Identification Workstation	<b>ISD-SMWT01</b> Hand Inspection Display Table
 <p>The image shows a computer monitor on a stand. The screen displays a software interface with four panels. The first two panels show grayscale thermal or night-vision images of a person's full body. The next two panels show white silhouette overlays on a dark background, corresponding to the body shapes in the first two panels. On the right side of the screen, there are various control buttons and a status bar at the bottom.</p>	 <p>The image shows a tall, slender, silver-colored metal stand with a flat base. At the top of the stand, there is a tablet or screen tilted slightly forward, displaying a colorful image. The stand appears to be designed for a person to interact with the screen at eye level.</p>