

Millimeter Wave Body Inspection Device



Introduction

NUCTECH™ MW2000AA Millimeter Wave Body Inspection Device is a high-performance, efficient body inspection solution designed and manufactured by NUCTECH. It adopts a new appearance, simple and friendly, and is equipped with E-band millimeter wave transceiver array with higher frequency, which has better image resolution and object recognition ability. MW2000AA can easily detect non-metal/metal weapons, explosives, drugs and liquid hidden under or within clothing.

MW2000AA employs wide-bandwidth three-dimensional holographic millimeter-wave imaging technology (with neural network-based deep learning) to achieve automatic threat recognition. The standing posture simply requires passengers to stand in the channel of the device with arms held slightly away from the sides of the body for two seconds.

MW2000AA provides additional features in its compactness, high throughput and unique privacy protection. The device is adaptable and ideally suited for security inspections at airports, customs, stations, secret agencies, commercial buildings, military bases, special events and other checkpoints.

Features

- ◆ High-resolution imaging technology
- ◆ Advanced ATR functional algorithm
- ◆ Comprehensive security inspection
- ◆ Enhanced foot detection capability
- ◆ Friendly experience for passengers
- ◆ No ionizing radiation hazard to body
- ◆ Integrated LED traffic indicator light
- ◆ Centralized detection& management
- ◆ Low power consumption and noise
- ◆ Flexible and friendly in deployment
- ◆ Life cycle equipment management

Certifications

- ✓ ECAC SSc Standard 2.1 Type A

Technical Data

General Specification

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

Functions and Configurations

User Interface	Color touch-screen with easy software UI
Prompt Facility	Integrated LED traffic light to indicate passenger
Detection Capability	Equipped with enhanced foot metal detector

Installation Data

Device Dimensions	1785 mm(L) × 1395 mm(W) × 2395 mm(H) (Without Ramp)
Channel Dimensions	800 mm(W) × 2250 mm(H)
Weight	550 kg
Power Supply	110/220 VAC, 50/60 Hz
Power Consumption	1.5 kW
Operating Temperature	-5 °C to +45 °C
Operating Humidity	0 to 95% non-condensing
Operating Noise	<60 dB(A)



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