NUCTECH™ HT2000GA

Body Inspection System

Introduction

NUCTECH™ HT2000GA is a high-performance, efficient people screening solution designed and made by NUCTECH. It employs the latest low-dose X-ray transmission imaging technology with an open tunnel walk-through design. The HT2000GA conducts a non-contact head-to-toe inspection and finds threats hidden on and within the human body.

The NUCTECH™ HT2000GA provides high-quality images and state-of-the-art processing software. It detects metallic and non-metallic weapons, drugs, explosives, liquid, jewelry, electronic devices and other forms of contraband.

The NUCTECH™ HT2000GA is an effective safety and security tool for a wide variety of applications, including corrections facilities, law enforcement, transportation security, public buildings and special events.

Technology Features

Non-contact head-to-toe inspection

No special motion required; identifies threats hidden on and inside the body with only one scan.

High quality images

Provides high resolution and real time images.

Practical software

Provides image processing, database management, user management and training functions; LAN and WAN compatible enabling remote inspection, portable monitor and centralized management.

Superior inspection capability

Easily detects contraband concealed under clothing, ingested or concealed within body cavities;
Finds everything, including metallic and non-metallic weapons, explosives, drugs, smuggled goods, mobile phones, jewelry, gems and precious metals.

Radiation safety

Dose level complies with the IAEA and ANSI N43.17 standards.

Convenient maintenance

Modular design provides easy installation and maintenance.

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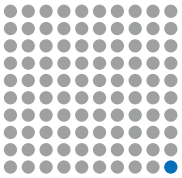
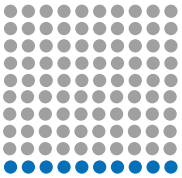
Creating a safer world

Radiation Dose Comparison




1 inspection ≈ 5 hour natural background




10 inspections ≈ 3 hour flight


70 inspections ≈ 1 chest X-ray

Technical Specifications

General Specification

Inspection mode	Non-contact
Scan time	≤ 15 s
Spatial resolution	Φ1.0 mm line pairs
Wire detectability	36 AWG
Radiation dose for single inspection	1.5 - 2.5 μSv (adjustable)
Inspection capability	Metal/non-metal weapons, explosives, drugs, liquids, etc.

Imaging Processing System

Standard operator number	1
Image acquisition mode	Real time
Image processing functions	Zoom & move, mark , enhancement , color enhancement, grey-scale adjustment, etc.
Image retrieval	Retrieve scanned image, track inmates cumulative dose

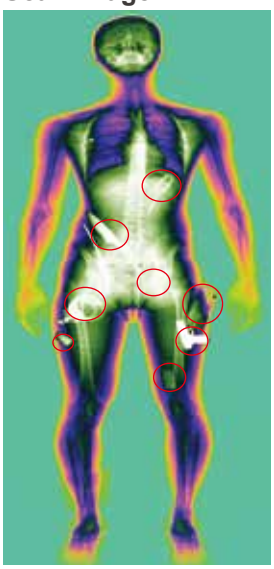
Installation Data

Dimensions	2502 mm(H) x 2065 mm (W) x 2200 mm(D)
Tunnel dimensions	2050 mm(H) x 750 mm(W)
Weight	650 Kg
Power supply	120 VAC/230 VAC (±10%), 50/60 Hz (±3Hz)
Power consumption	1.0 KVA
Operating temperature/Humidity	0 ℃~+40 ℃/ 5%~95% (non-condensing)
Storage temperature/Humidity	-20 ℃~+60 ℃/ 5%~95% (non-condensing)

Advanced Function

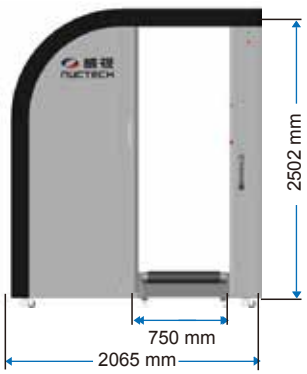
Optional features	Touchscreen, video surveillance, bar code scanner, remote control & management, safety railing & platform, radiation reader dosimeter, fingerprint reader, etc.

Scan Image

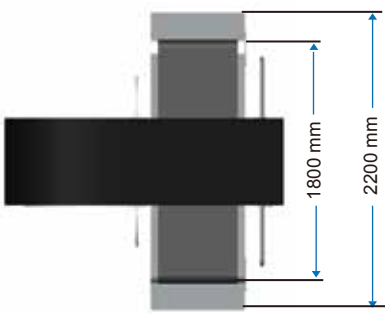


Dimensions

Front view



Top view



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NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2008)
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGENENT SYSYTEM(OHSAS18001:2001)

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