



NUCTECH™ HT2000GA

BODY INSPECTION SYSTEM

Full-body, micro-dose X-ray imaging system with a conveyor for automatic pass-through

HT
· Series ·

INTRODUCTION

Target Contraband

Detects contraband concealed under clothing or in body cavities including weapons, explosives, drugs, mobile phones, and jewelry.

Applications

Optimized for deployment in correctional facilities, law enforcement agencies, border crossings, customs, and special events.

Features

Contactless full-body X-ray imaging:

Identifies threats hidden on and inside the body with one scan and without shoe removal.

Functionality:

Customizable and optional image processing and operations functions including remote control, centralized management, smart terminals, and safety accessories.

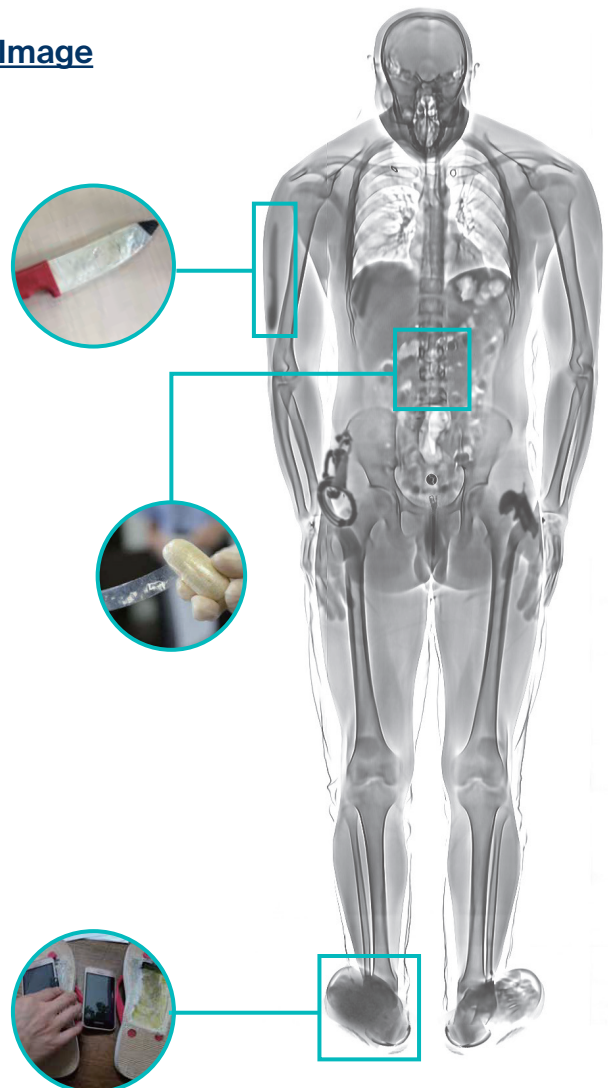
Radiation safety:

Complies with the IAEA and ANSI N43.17 standards.

User friendly:

One-click scan, real-time imaging, modular design, and easy to install and maintain.

Image



Dose Comparison

1

1 inspection ≈
1 hr natural
background

20

20 inspections ≈
1 hr flight

400

400 inspections ≈
1 chest X-ray

Scan Process

Scan With Conveyor



TECHNICAL SPECIFICATIONS

General Specifications		Installation Data	
Inspection method	non-contact	Dimensions	2502 mm (H) × 2065 mm (W) × 2200 mm (D)
Scanned area	full body inspection	Tunnel dimensions	2050 mm (H) × 750 mm (W)
Scan time	≤ 8 s	Weight	760 kg
Spatial resolution	φ 1.0 mm	Power supply	100 ~ 120 VAC / 200 ~ 240 VAC, 50/60 Hz
Wire resolution	38 AWG	Power consumption	1.3 kVA
Dose per scan	0.25 ~ 2.0 μSv (adjustable)	Operating temperature/Humidity	0 °C ~ + 40 °C / 0% ~ 93% (non-condensing)
Detectability	weapons, explosives, drugs, mobile phones, liquids	Storage temperature/Humidity	-20 °C ~ + 60 °C / 0% ~ 93% (non-condensing)

Image Processing

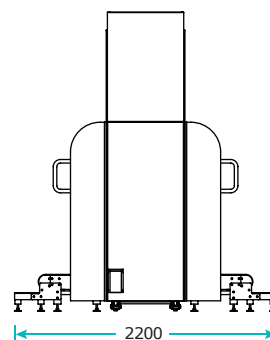
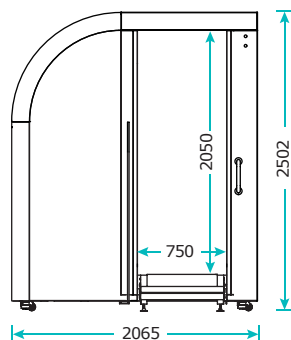
Image processing function	contrast & brightness adjustment, edge enhancement, detail enhancement, partial processing, inverse, pseudo color
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Optional Functions

Safety accessories	handrail, lead shield
Smart terminals	fingerprint reader, barcode scanner, intercom system, touchscreen, server, camera

Dimensions

(mm)



NUCTECH COMPANY LIMITED | Creating a safer world

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NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO 9001)
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO 14001)
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM (OHSAS 18001)