

NUCTECH™ HT3000SV

BODY INSPECTION SYSTEM

Stationary, micro-dose full-body X-ray imaging system

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 transmission imaging:

Identifies threats hidden on and inside the body, while the person being scanned remains stationary, 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.

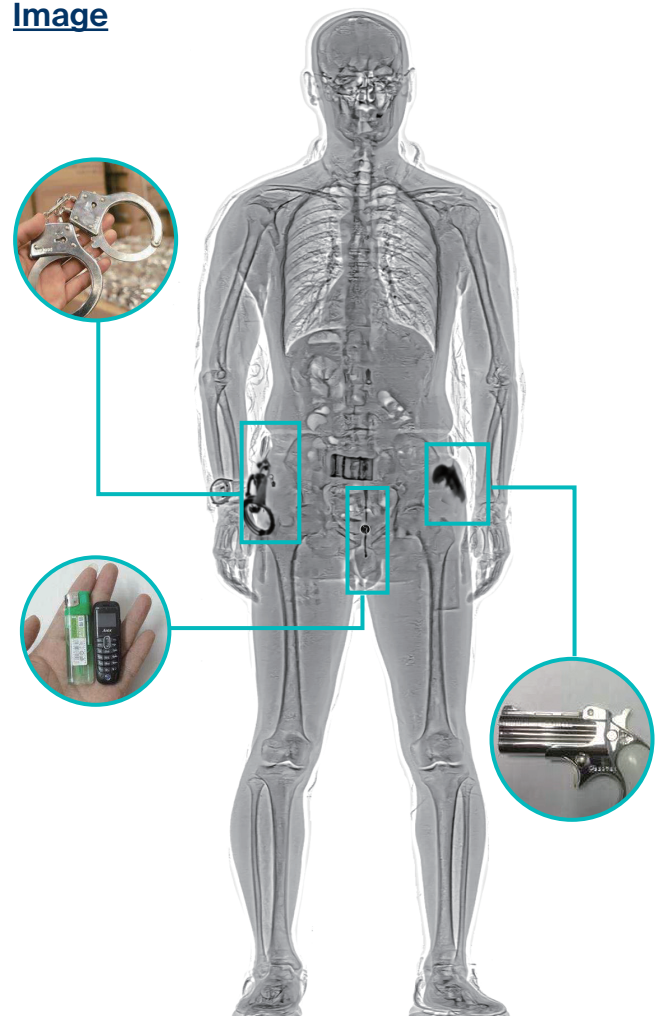
Radiation safety:

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

Stationary Scan



TECHNICAL SPECIFICATIONS

General Specifications		Installation Data	
Inspection method	non-contact	Dimensions	2383 mm (H) × 1800 mm (W) × 1020 mm (D)
Scanned area	full body inspection	Tunnel dimensions	860 mm × 870 mm
Scan time	≤ 4 s	Weight	700 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 ~ 3.0 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

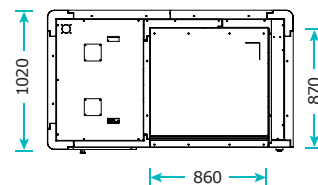
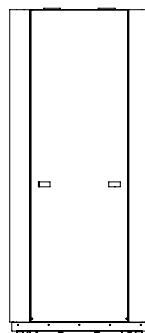
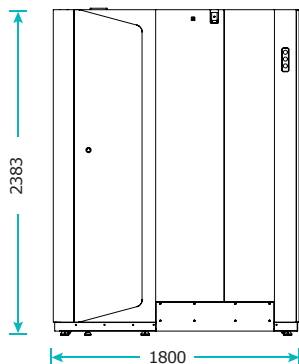
Image processing function	contrast & brightness adjustment, edge enhancement, detail enhancement, partial processing, inverse, pseudo color
---------------------------	---

Optional Functions

Safety accessories	cabin, handrail, lead shield, wheelchair accessible ramp
Smart terminals	fingerprint reader, barcode scanner, palm vein scanner, intercom system, server, camera

Dimensions

(mm)



NUCTECH COMPANY LIMITED | Creating a safer world

Address: 2/F Block A, Tongfang Building, Shuangqinglu,
Haidian District, Beijing PRC

Postcode: 100084

Website: <http://www.nuctech.com>

Copyright©2021 NUCTECH COMPANY LIMITED, All Rights Reserved.
Design and specifications are subject to change without notice.
Ver: EN1.0 202103



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)