

NUCTECH™ HT2100DV

BODY INSPECTION SYSTEM

Pass-through full body and torso dual-view micro-dose X-ray transmission imaging system with a platform

HT

· Series ·

INTRODUCTION

Targeted Contrabands

Detect contrabands concealed under clothing or in body cavities: including weapons, explosives, drugs, smuggled goods, mobile phones, jewelry, gems and precious metals etc.

Applications

Can be deployed in customs, correctional facilities, law enforcement, border crossings, special events, etc.

Features

Dual-view X-ray transmission imaging:

no need to take off the shoes; identifies threats hidden on and inside the body with one scan. The torso image is clearer.

Various functions:

a variety of image processing functions, remote control, centralized management system, various smart terminals and safety accessories optional.

Radiation safety:

comply with the IAEA and ANSI N43.17 standards.

User friendly:

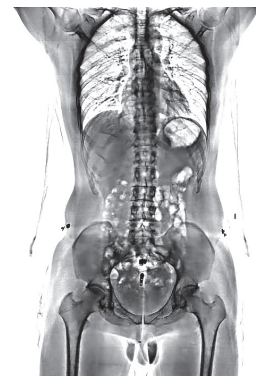
one-click scan, real-time imaging, modular design, easy to install and maintain.

Images

Full Body Image



Torso 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 Platform



TECHNICAL SPECIFICATIONS

General Specifications		Installation Data	
Inspection method	non-contact	Dimensions	2372 mm (H) × 2116 mm (W) × 2208 mm (D)
Scanned area	full body inspection + torso inspection	Tunnel dimensions	2100 mm (H) × 750 mm (W)
Scan time	≤ 10 s	Weight	850 kg
Spatial resolution	φ 1.0 mm	Power supply	100 ~ 120 VAC / 200 ~ 240 VAC, 50/60 Hz
Wire resolution	38 AWG	Power consumption	1.5 kVA
Dose per scan	0.25 ~ 5.0 μSv (adjustable)	Operating temperature/Humidity	0 °C ~ + 40 °C / 0% ~ 93% (non-condensing)
Detectability	weapons, explosives, drugs, mobile phones, liquids, etc.	Storage temperature/Humidity	-20 °C ~ + 60 °C / 0% ~ 93% (non-condensing)

Image Processing

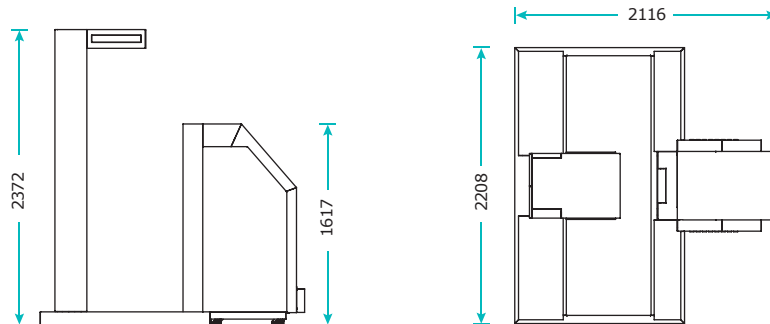
Image processing function: contrast & brightness adjustment, edge enhancement, detail enhancement, partial processing, inverse, pseudo color, etc.

Optional Functions

Safety accessories	cabin, handrail, lead shield, wheelchair accessible passage
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>

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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 MANAGEMENT SYSTEM (OHSAS18001:2001)