



NUCTECH™ HT3000TV

BODY INSPECTION SYSTEM

Torso-view micro-dose X-ray transmission imaging system where the person remains stationary

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.

Features

Stationary torso X-ray transmission imaging:

no need to take off the shoes; the scanned person stays stationary; identifies threats hidden on and inside the torso of human body with one scan.

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.

Applications

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

Image



Dose Comparison

1 

1 inspection ≈
1 hr natural
background

20 

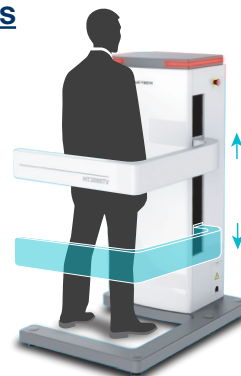
20 inspections ≈
1 hr flight

400 

400 inspections ≈
1 chest X-ray

Scan Process

Stationary Scan



TECHNICAL SPECIFICATIONS

General Specifications		Installation Data	
Inspection method	non-contact	Dimensions	1210 mm (H) × 850 mm (W) × 1600 mm (D)
Scanned area	torso inspection	Tunnel dimensions	650 mm ~ 1300 mm
Scan time	≤ 5 s	Weight	380 kg
Spatial resolution	φ 1.0 mm	Power supply	100 ~ 120 VAC / 200 ~ 240 VAC, 50/60 Hz
Wire resolution	38 AWG	Power consumption	1.0 kVA
Dose per scan	0.25 ~ 3.0 μSv (adjustable)	Operating temperature/Humidity	0 °C ~ + 40 °C / 5% ~ 95% (non-condensing)
Detectability	weapons, explosives, drugs, mobile phones, liquids, etc.	Storage temperature/Humidity	-20 °C ~ + 60 °C / 5% ~ 95% (non-condensing)

Image Processing

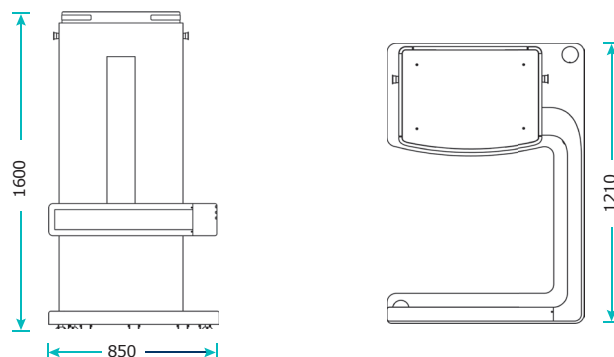
Image processing function contrast & brightness adjustment, edge enhancement, detail enhancement, partial processing, inverse, pseudo color, etc.

Optional Functions

Safety accessories	cabin, lead shield
Smart terminals	fingerprint reader, barcode scanner, palm vein scanner, tablet terminal, intercom system, touchscreen, server

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)