

# NUCTECH™ HT2100SV

## BODY INSPECTION SYSTEM

Pass-through full-body-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 correctional facilities, law enforcement, border crossings, customs, special events, etc.

#### Features

**Non-contact full-body X-ray transmission imaging:** no need to take off the shoes; identifies threats hidden on and inside full body with one scan.

#### **Various functions:**

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

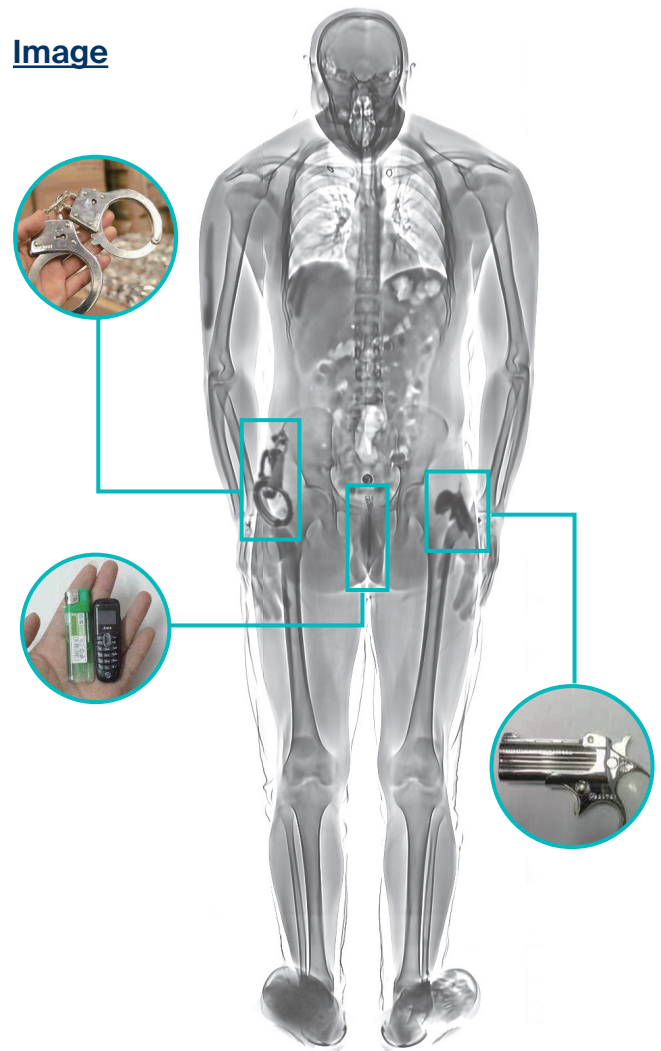
#### **Radiation safety:**

comply with the IAEA and ANSI N43.17 standards.

#### **User friendly:**

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

#### 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	2380 mm (H) × 2120 mm (W) × 2083 mm (D)
Scanned area	full body inspection	Tunnel dimensions	2100 mm (H) × 800 mm (W)
Scan time	≤ 7 s	Weight	800 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, etc.	Storage temperature/Humidity	-20 °C ~ + 60 °C / 0% ~ 93% (non-condensing)

### Image Processing

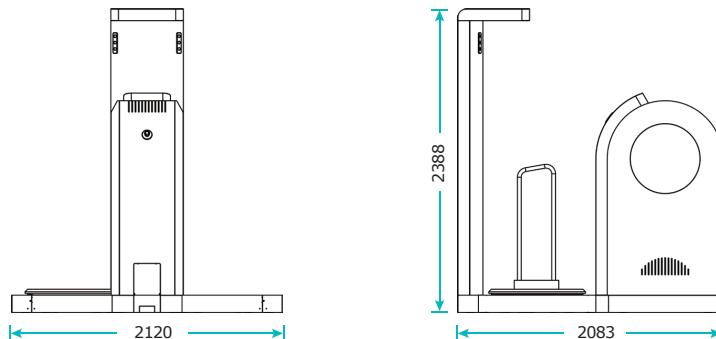
Image processing function contrast & brightness adjustment, edge enhancement, detail enhancement, partial processing, inverse, pseudo color, etc.

### Optional Functions

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

## Dimensions

(mm)



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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)