

NUCTECH™ HT2100TV-H

BODY INSPECTION SYSTEM

Pass-through torso-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.

Features

Non-contact torso X-ray transmission imaging:

no need to take off the shoes; 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 correctional facilities, law enforcement, border crossings, customs, special events, etc.

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	2070 mm (H) × 1860 mm (W) × 1780 mm (D)
Scanned area	torso inspection	Tunnel dimensions	700 mm (W)
Scan time	≤ 8 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	1.2 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

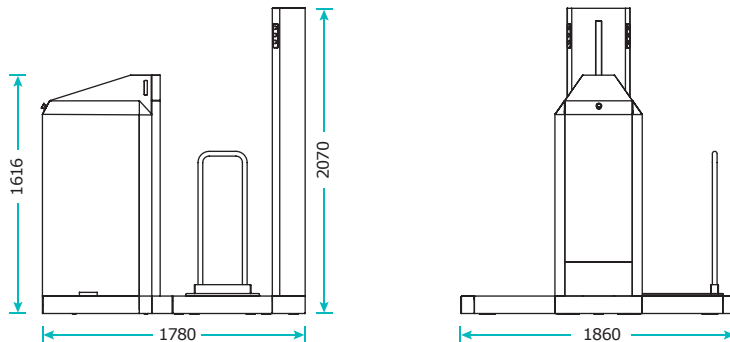
Image processing function contrast & brightness adjustment, edge enhancement, detail enhancement, partial processing, inverse, pseudo color, etc.

Optional Functions

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

Dimensions

(mm)



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Ver: EN1.0 202103



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)