NUCTECH™ HT2000GA
Body Inspection System

Introduction

NUCTECH™ HT2000GA is a high-performance, efficient people screening solution designed and made by NUCTECH. It employs the latest low-dose X-ray transmission imaging technology, with open channel and walk-through design, the HT2000GA can complete non-contact head-to-toe inspection and find threats hidden on or in the human body.

The NUCTECH™ HT2000GA provides high-quality images and state-of-the-art processing software. It can detect non-metal/metal weapons, drugs, explosives, liquid, jewelries, electronic devices, etc.

The NUCTECH™HT2000GA is adaptable and suitable for personal security inspections at customs, prisons, narcotics enforcement, aviation, borders, mine factories, stations and other checkpoints.

Technology Features

⊙ **Non-contact head-to-toe inspection**

Detect threats hidden in and on the body.

⊙ **High quality images**

Provide high resolution and real time images.

⊙ **Practical software**

Provide image processing, database management, user management and training functions; compatible with remote operation, centralized management and mobile inspection.

⊙ **Superior inspection capability**

Easily detect threats concealed under clothing or swallowed or hidden in the anatomical cavities of the human body, including but not limited to: metal/non-metal weapons, explosives, drugs, smuggled goods, mobile phones, jewelries and precious metals.
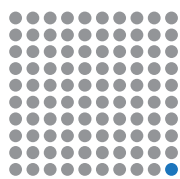
⊙ **Radiation safety**
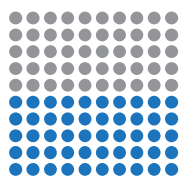
Low dose; comply with the IAEA and ANSI N43.17.

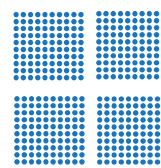NUCTECH COMPANY LIMITED | **People Screening Business Division**

Radiation dose comparison

1 Inspection = 1 hour natural background

50 Inspections = 2.5 hours flight

400 Inspections = 1 Chest X-rays

Technical Specifications

General Specification

Inspection mode	Non-contact
Scan time	≤ 9 s
Throughput	≥ 240p/h
Spatial resolution	Φ1.0 mm line pairs
Wire detection	≥ 34 AWG
Radiation dose for single inspection	0.25 - 2.0 μSv (adjustable)
Imaging capabilities	Metal/non-metal weapons, explosives, drugs, liquids, etc.

Imaging Processing System

Standard operator number	1
Image acquisition mode	Real time
Image enhancement	Zoom & Move, mark Image, enhancement , color enhancement, grey-scale adjustment
Image recall	Retrieve scanned image, track inmates cumulative dose

Installation Data

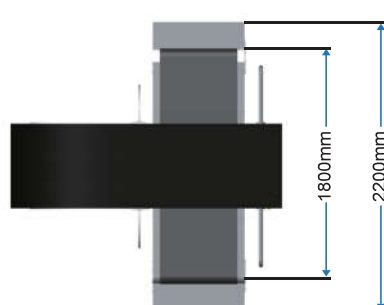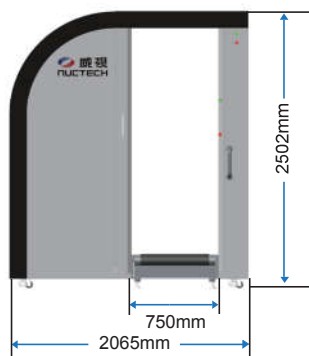|	
System dimensions	2502 mm(H) x 2065(W) x 1800 mm(D)
Scan dimensions	2050 mm(H) x 750 mm(W)
Weight	650 Kg
Power supply	110/240 VAC, 50/60Hz
Power consumption	1.0 KVA
Operating temperature/Humidity	0℃～+40℃, 5%～95% (non-condensing)
Storage temperature/Humidity	-20℃～+60℃, 5%～95% (non-condensing)

Advanced Function

Optional feature	Video surveillance, remote control & management etc.

Scan Image

	Electronic detonator		Mobile phone
	Ceramic knife		Pistol
	Screwdriver		Handcuffs
	Narcotic powder		Battery

Dimensions

2502mm

750mm

2065mm

Front view | top view

1800mm

2200mm