**NUCTECH™ HT2000GA**

**Body Inspection System**

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**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 an open tunnel walk-through design. The HT2000GA conducts a non-contact head-to-toe inspection and finds threats hidden on and within the human body.

The NUCTECH™ HT2000GA provides high-quality images and state-of-the-art processing software. It detects metallic and non-metallic weapons, drugs, explosives, liquid, jewelry, electronic devices and other forms of contraband.

The NUCTECH™ HT2000GA is an effective safety and security tool for a wide variety of applications, including corrections facilities, law enforcement, transportation security, public buildings and special events.

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**Technology Features**

- **Non-contact head-to-toe inspection**
  No special motion required; identifies threats hidden on and inside the body with only one scan.

- **High quality images**
  Provides high resolution and real-time images.

- **Practical software**
  Provides image processing, database management, user management and training functions; LAN and WAN compatible enabling remote inspection, portable monitor and centralized management.

- **Superior inspection capability**
  Easily detects contraband concealed under clothing, ingested or concealed within body cavities; finds everything, including metallic and non-metallic weapons, explosives, drugs, smuggled goods, mobile phones, jewelry, gems and precious metals.

- **Radiation safety**
  Dose level complies with the IAEA and ANSI N43.17 standards.

- **Convenient maintenance**
  Modular design provides easy installation and maintenance.

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**Creating a safer world**

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HTTP://WWW.NUCTECH.COM
Technical Specifications

### General Specification
- **Inspection mode**: Non-contact
- **Scan time**: ≤ 15 s
- **Spatial resolution**: 1.0 mm line pairs
- **Wire detectability**: 36 AWG
- **Radiation dose for single inspection**: 1.5 - 2.5 µSv (adjustable)
- **Inspection capability**: Metal/non-metal weapons, explosives, drugs, liquids, etc.

### Imaging Processing System
- **Standard operator number**: 1
- **Image acquisition mode**: Real time
- **Image processing functions**: Zoom & move, mark, enhancement, color enhancement, grey-scale adjustment, etc.
- **Image retrieval**: Retrieve scanned image, track inmates cumulative dose

### Installation Data
- **Dimensions**: 2502 mm(H) x 2065 mm(W) x 2200 mm(D)
- **Tunnel dimensions**: 2050 mm(H) x 750 mm(W)
- **Weight**: 650 Kg
- **Power supply**: 120 VAC/230 VAC (± 10%, 50/60 Hz ± 3Hz)
- **Power consumption**: 1.0 KVA
- **Operating temperature/Humidity**: 0 °C ~ +40 °C / 5% ~ 95% (non-condensing)
- **Storage temperature/Humidity**: -20 °C ~ +60 °C / 5% ~ 95% (non-condensing)

### Advanced Function
- **Optional features**: Touchscreen, video surveillance, bar code scanner, remote control & management, safety railing & platform, radiation reader dosimeter, fingerprint reader, etc.

### Dimensions

Front view

- **Height**: 2065 mm
- **Width**: 750 mm
- **Depth**: 2002 mm

Top view

- **Height**: 180 mm
- **Width**: 2200 mm