



NUCTECH™ CX5030T

X-RAY INSPECTION SYSTEM

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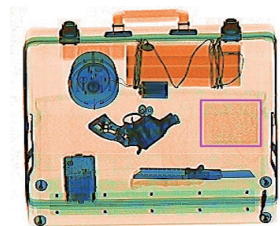
Introduction

NUCTECH™ CX5030T X-ray Inspection System is an advanced dual-energy X-ray security inspection system which is newly designed and produced by NUCTECH COMPANY LIMITED. With tunnel dimensions of 534mm width and 333mm height, it is perfectly suitable for inspection of hand-held baggage, post parcels, briefcases or expresses in government offices, court, mailrooms, embassies, stadiums, exhibitions and other security sensitive areas. Due to its small size with width of only 770mm and weight of 210kg, CX5030T can be installed and transported very easily.

CX5030T combined with unsurpassed operation ergonomics, reliability and safety, can provide excellent image quality and advanced material classification. CX5030T also offers explosive and drug auto detection as optional functions.

Technical Features

- High image quality with wire resolution of 40 AWG and steel penetration up to 16mm
- Compact structure and light weight of approximately 210kg, which can be installed and transported easily
- X-ray leakage around the equipment is close to natural background level, which meets all published international health and safety standards and ensures the radiation safety of operators as well as the public
- Automatic detection and alarm of explosives and drugs
- TIP(Threat Image Projection) provides a practical solution for operator performance monitoring and training
- Support stepwise, continuous magnifier functions to enlarge images
- Images can be saved as general image format, such as BMP, JPG, PNG and TIFF, and be transferred to USB storage devices
- Ergonomic keyboard and user interface design ensure the efficiency and professional of the X-ray screening operation
- Modular design and construction combined with full built-in diagnostic facility guarantee the efficiency of equipment maintenance



Automatic detection of drugs/explosives :
Colored alarm frame shows the system
automatic alarm for the 5mm thin
explosive

Technical Specifications

General Specifications

Tunnel Dimensions	534mm(W) x 333mm(H)
Conveyor Speed	0.20m/s
Conveyor Height	160mm
Max. Load	60kg

Image Performance

Wire Resolution	40 AWG
Steel Penetration	16mm
Display Resolution	1280 x 1024

Image Processing System

Image Enhancement	Color/BW, negative, high/low penetration, organic /inorganic stripping, general enhancement, multi-absorptivity, and suspect material enhancement, etc.
Material Classification	According to atomic number signatures
ROI & Zoom	Step/stepless zoom, up to 64 times enlargement
Image Recall	Preceding images recallable
Image Storage Capability	Up to 100,000

Miscellaneous Functions

Standard Functions	Time/date display, counters, user management, system-on/X-ray-on timers, power on self test, built-in diagnostic facilities, dual-direction scanning, system log, system standby and training, etc.
Optional Functions	Explosives/narcotics detections, high-density area alert, threat image projection (TIP)

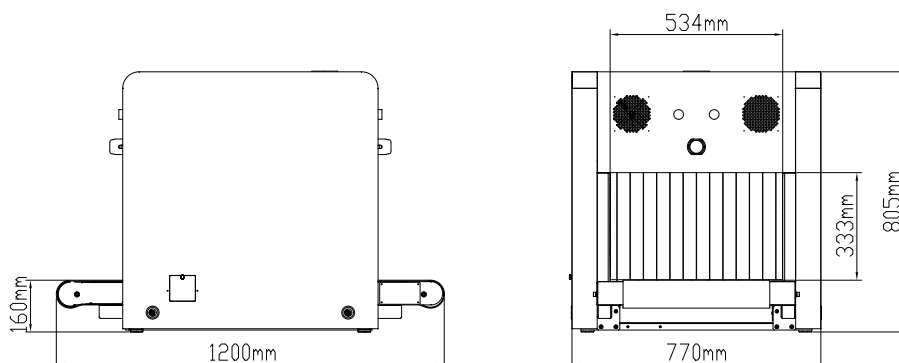
Health and Safety

X-ray Leakage	Less than 1μSv/ h (5cm from the housing) complying with all published international standards
Film Safety	Guaranteed for high speed film up to ASA/ISO1600 (33DIN)

Installation Data

Dimensions	1200mm(L) x 770mm(W) x 805mm(H)
Weight	210kg
Storage Temperature / Humidity	-40°C ~ +60°C / 5% ~ 95% (non-condensing)
Operating Temperature / Humidity	0°C ~ +40°C / 5% ~ 95% (non-condensing)
Power Supply	100VAC ~ 240VAC (-15% ~ +10%), 50 Hz/60Hz ±3Hz
Power Consumption	0.5kVA

Note: Image performance specifications are based on NUCTECH test piece.



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NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO 9001:2015)
 NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO 14001:2015)
 NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM (OHSAS 18001:2007)

