NUCTECH™ CX6040D
X-RAY INSPECTION SYSTEM

ECAC EDSCB C1 Approved

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Introduction

NUCTECH™ CX6040D X-ray Inspection System, NUCTECH's new generation product of dual view dual-energy X-ray inspection machine for inspection of hand-held baggage, small checked luggage and parcels.

CX6040D employs dual view design, images of each view will be shown on a dedicated monitor, thus dangerous objects and contrabands hidden beneath overlapping area are more likely to be found and located. It stands out with more modern and ergonomic design for efficient and professional X-ray screening. With the tunnel dimensions of 620mm width and 420mm height, it is perfectly suitable for baggage inspection in airports, railway stations, customs, ports and stadiums, etc.

CX6040D combined with unsurpassed operation ergonomics, reliability and safety can provide excellent image quality and advanced material classification. CX6040D offers explosive and drug auto detection as option.

Technical Features

- Based on dual-view advanced technology meeting high level security and operational effectiveness demands
- High image quality with wire resolution of 40 AWG and steel penetration of 38mm
- X-ray leakage around the equipment is close to the natural background level, which meets all published international health and safety standards
- Automatic detection and alarm of explosives and drugs
- Support stepwise, continuous and local zoom functions to enlarge the scanning images in flexible and quick way
- Images can be saved as general image format, e.g. BMP, JPG and PNG , and 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

Technical Specifications

General Specifications

Tunnel Dimensions	620mm(W) × 420mm(H)
Conveyor Speed	0.20m/s
Conveyor Height	700mm
Max. Load	160kg

Image Performance

Wire Resolution	40 AWG
Steel Penetration	38mm
Display Resolution	1280 × 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)

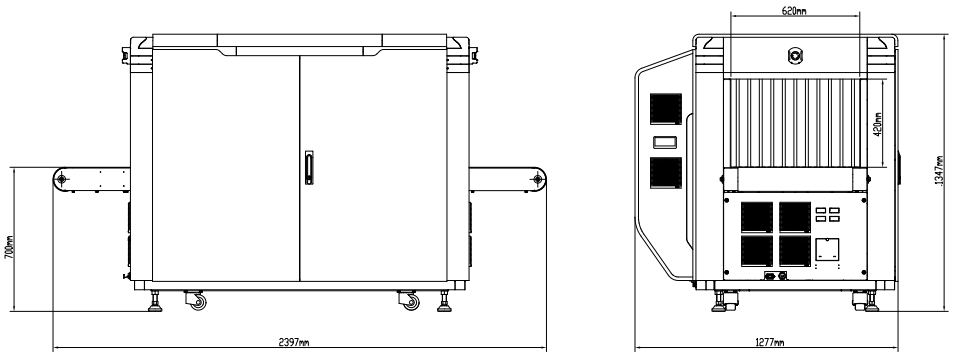
Health and Safety

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	2397mm(L) × 1277mm(W) × 1347mm(H)
Weight	1000kg
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	1.2kVA

Note: Image performance specifications are based on test piece complying with CAAC standard.



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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 MANAGENENT SYSYTEM (OHSAS 18001:2007)