



NUCTECH™ CX6040BI

X-RAY INSPECTION SYSTEM



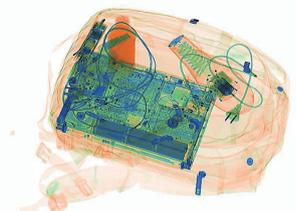
Introduction

The NUCTECH™ CX6040BI X-ray Inspection System comes from the most advanced and best proven CX product platform, and fully inherits and shares improved image quality with a variety of professional image enhancement processing functions, ergonomic and friendly user interface, intelligent networking capabilities and applications, excellent reliability and maintainability.

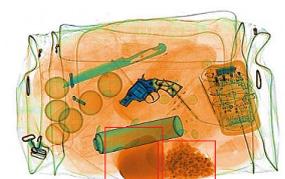
The CX6040BI has a popular tunnel opening of 606mm wide by 420mm high, as well as a modern outlook and compact framework design, and it's the best solution for security and customs requiring screening of hand-held baggage and parcels at airports, rail transportation stations, critical infrastructures and big events, etc.

Technology Features

- World-leading image quality with high wire resolution of 40 AWG and steel penetration up to 38mm
- Explosives and narcotics detections and alarms according to the atomic number signatures.
- Threat Image Projection (TIP) ready X-ray system, providing a practical solution for operator performance monitoring and training, as well as reducing the probability of threats misses effectively
- X-ray leakage around the equipment is close to natural background level, complying with all international safety and health standards
- Ergonomic keyboard and user interface design ensure the efficiency and professionals of baggage screening operating
- High reliable operating and data storage safety are guaranteed by applications of industrial computer, embedded system, and data access strategy and configurations
- Optimized concept of operations, centralized image identify and storage capability implemented by various network applications
- Modular design and constructions, combined with full built-in diagnostic facilities, make the system maintenance more economic and efficient



Advanced material classification:
orange for organic, blue for metal and
green for mixed material



Automatic detection of explosives & drugs

Technical Specifications

General Specifications

Tunnel Dimensions	606mm(W) × 420mm(H)
Conveyor Speed	0.20m/s
Conveyor Height	680mm
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 32 times enlargement
Image Recall	Preceding images recallable
Image Storage Capability	Up to 50,000

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)

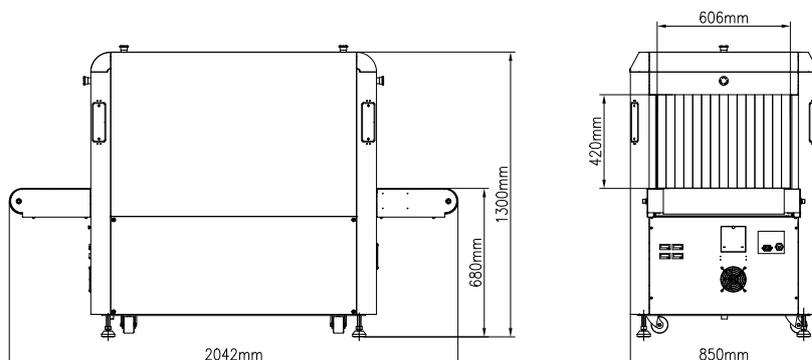
Health and Safety

X-ray Leakage	Less than 1μGy/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	2042mm(L) × 850mm(W) × 1300mm(H)
Weight	640kg
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	0.8kVA

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



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