

# NUCTECH™ CX130130D

## X-ray Inspection System



The NUCTECH™ CX130130D X-ray Inspection System is a new generation dual-view dual-energy X-ray inspection machine large luggage, baggage and small cargoes.

It employs a dual-view design with images of each view displayed on a dedicated monitor. Dangerous objects and contraband hidden beneath overlapping areas are more likely to be discovered. It stands out from others with a more modern and ergonomic design for efficient and professional X-ray screening. Tunnel dimensions of 1310mm width and 1318mm height make it perfect for inspections of large luggage and pallet cargo at airports, Customs, railway stations, ports, logistics companies, warehouses, etc.

The CX130130D combined with unsurpassed operation ergonomics, reliability and safety can provide excellent image quality and advanced material classification. Options include explosive and drug auto detection.

## Technical Features

- State-of-the-art technology for superior image quality with wire resolution of 38AWG and steel penetration of up to 50mm.
- Based on dual-view advanced technology meeting high level security and operational effectiveness demands.
- X-ray leakage around the equipment is close to natural background levels and meets all published international health and safety standards.
- Automatic detection and alarm for explosives and drugs.
- Support systematic, continuous and local zoom functions for flexible and quick enlargement of scanned images.
- Images can be saved in standard image formats (BMP, JPG and PNG) and transferred to USB storage devices.
- Ergonomic keyboard and user interface design ensures the efficiency and professionalism of X-ray screening operations.
- Modular design and construction combined with a fully built-in diagnostic facility guarantee efficient equipment maintenance.

## Technical Data

### General Specifications

Dual-view Imaging	Both vertically and horizontally projected images
Tunnel Dimensions	1310mm(W)×1318mm(H)
Conveyor Speed	0.2m/s
Conveyor Height	350mm
Max. Load	320kg

### Image Performance

Wire Resolution	38AWG
Steel Penetration	50mm

### 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 100,000 images

### Installation Data

Dimensions	3720mm(L)×2095mm(W)×2380mm(H)
Weight	2490kg
Operating Temperature / Humidity	0° C ~ +40° C / 5%~95% (non-condensing)
Storage Temperature / Humidity	-40° C ~ +60° C / 5%~95% (non-condensing)
Power Supply	220VAC / 110VAC(-15%~+10%), 50Hz / 60Hz±3Hz
Power Consumption	1.8kVA

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

### System 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/hour (5cm from the housing), complying with all published international health and safety standards
Film Safety	Guaranteed for high speed film up to ASA / ISO1600 (33DIN)

