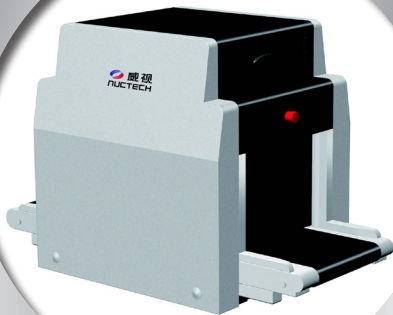
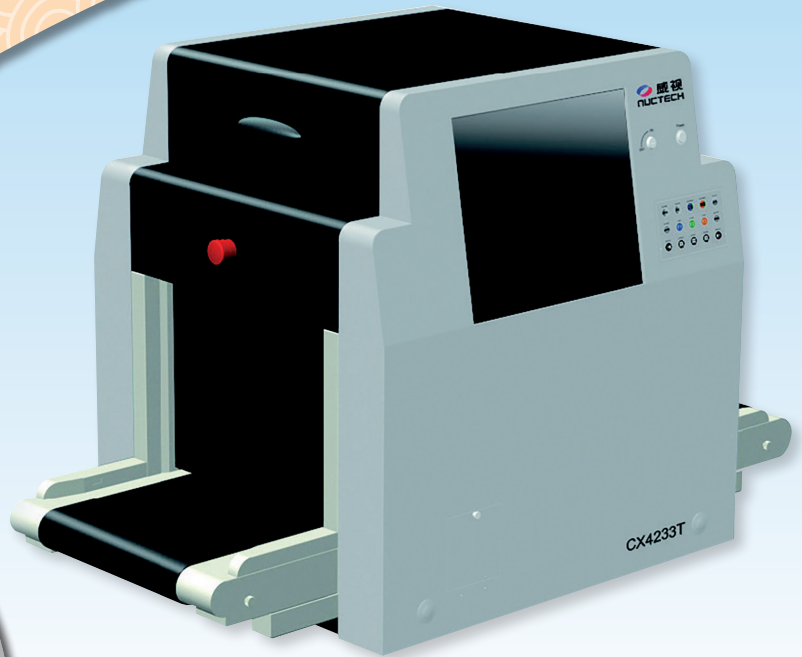


NUCTECH CX4233T

X-ray Inspection System



www.scanxsecurity.com

Introduction

NUCTECH CX4233T X-ray Inspection System gains the best lightweight portability with built-in display monitor and special keyboard panel design. It 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.

Based on dual-energy material classification, the CX4233T is capable of color coding of organic, inorganic and mixture materials with different effective atomic numbers for better identification of objects. Explosives & narcotics automatic detection and suspect organic material; on-screen highlights are also available to aid x-ray screening.

The CX4233T has a tunnel opening of 420mm wide by 330mm high, an extra compact structure and a low weight of 160kg. It can meet all mobile and stationary security screening demands at critical infrastructures, post office and big events, etc.

Technology Features

- The best lightweight portability suitable for mobile and temporary security screening applications.
- World-leading image performance and objects identification capability.
- Outstanding accuracy of atomic number signatures acquired builds perfect color coding of materials in x-ray images, and offers high level explosives & narcotics detection.
- Ergonomic, icon-marked and customizable special keyboards, as well as friendly and easy-to-use software interface create efficient and optimal user experience.
- Windows based computer platform builds powerful network capabilities with good compatibility and easy extendibility and gains great advantages in x-ray screening operating by network applications.
- Designed with hermetic radiation safety protection, x-ray leakage around the equipment is close to natural background x-ray does level and complies with all published international health and safety standards.



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NUCTECH CX4233T

X-ray Inspection System

General Specifications

Tunnel Dimensions	• 420mm (W) × 330mm (H)
Conveyor Speed	• 0.15m/s
Conveyor Height	• 160mm
Max. Load	• 20Kg

Image Performance

Wire Resolution	• 0.08mm (40AWG)
Steel Penetration	• 16mm

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
Data Storage Capacity	• Preceding images recallable
Image Storage Capability	• Up to 50,000 images

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 1 μ Gy / 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)

Installation Data

Dimensions	• 1302mm (L) × 700mm (W) × 840mm (H)
Weight	• 160Kg
Storage Temperature / Humidity	• -40 $^{\circ}$ c ~ +60 $^{\circ}$ c / 5% ~ 95% (non-condensing)
Operating Temperature / Humidity	• 0 $^{\circ}$ c ~ +40 $^{\circ}$ c / 5% ~ 95% (non-condensing)
Power Supply	• 100VAC~240VAC (-15%~ +10%), 50Hz/60Hz \pm 3Hz
Power Consumption	• 0.5kVA

Note: Image performance specifications are based on test piece complying with Civil Aviation Administration of China Standard.



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