CX100100D

X-Ray Inspection System

STVS

Dual-energy X-ray inspection system • Widely used in a variety of applications

INCREASED TUNNEL SIZE
39.7''(W) x 39.5''(H)

HIGH IMAGE QUALITY
Wire resolution of 38 AWG and steel penetration of 35mm

ENVIRONMENTALLY SOUND
Meets all published international health and safety standards

AUTOMATIC DETECTION
Customizable capabilities for explosives, narcotics, weapons, and contraband
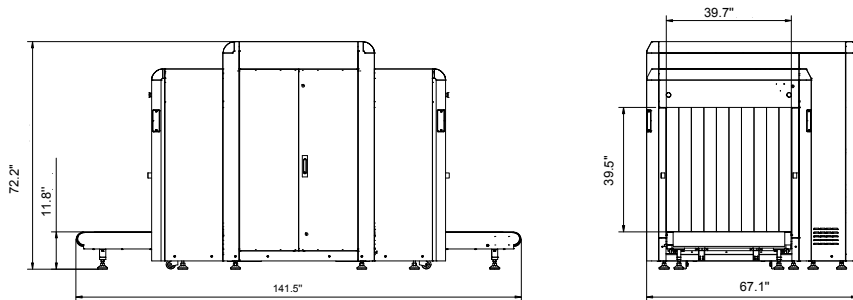
ERGONOMIC DESIGN
Keyboard and user interface empower the operator to quickly manipulate images and view multiple angles and sizes

STORAGE
Images saved in general format (i.e. BMP, JPG, PNG) for seamless transfer to storage devices

BUILT-IN DIAGNOSTIC FACILITY
Enhances efficiency of maintenance and service programs

Designed to quickly and accurately detect explosives, narcotics, weapons, and contraband concealed in large baggage, luggage, and breakbulk cargo, the STVS CX100100D X-ray inspection system utilizes advanced dual-view technology to increase screening capabilities at airports, air cargo facilities, freight forwarders, customs, transportation facilities, and stadiums.

Employing an ergonomic design and two dedicated monitors – one for each view, CX100100D enhances operational efficiencies by giving operators additional tools to identify potential threats. Combining increased tunnel size with unsurpassed reliability and image quality, CX100100D is engineered for ease of maintenance and minimal downtime in the most challenging operational environments.

Customizable to meet localized security challenges, STVS's optional smart imaging system on CX100100D leverages machine learning and artificial intelligence (AI) to develop a scalable library of identifiable threats and contraband based on shape.

CX100100D

TECHNICAL SPECIFICATION

Tunnel Dimensions	39.7 in (W) x 39.5 in (H)
Conveyor Speed	7.87"/s
Conveyor Height	11.8 in
Max. Load	440 lbs

IMAGE PERFORMANCE

Wire Resolution	38 AWG
Steel Penetration	34mm
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 32 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.
Other 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	141.5 in (L) x 67.1 in (W) x 72.2 in (H)
Weight	3,086 lbs
Storage Temperature / Humidity	-40°F ~ +140°F/ 5% ~ 95% (non-condensing)
Operating Temperature / Humidity	32°F ~ +104°F / 5% ~ 95% (non-condensing)
Power Supply	100VAC ~ 240VAC (-15% ~ +10%), 50 Hz/60Hz 3Hz
Power Consumption	5kVA

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