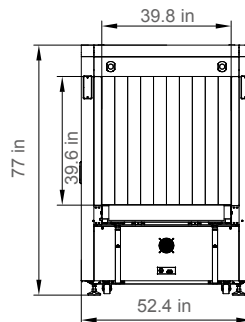
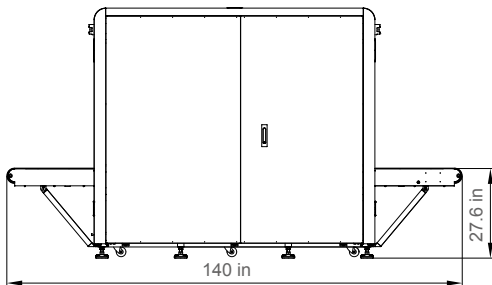


# CX100100BI

## X-Ray Inspection System



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



### HIGH WIRE RESOLUTION

38AWG and steel penetration up to 35mm

### EXPLOSIVES & NARCOTICS DETECTION

According to atomic number signatures

### THREAT IMAGE PROJECTION (TIP)

Practical solution for operator performance monitoring and training, reducing the probability of threat misses

### COMPLIANT

Complies with all international safety and health standards: X-ray leakage around the equipment is close to natural background

### ERGONOMIC

Keyboard and user interface design ensure efficiency

### MODULAR DESIGN

Full built-in diagnostic facilities for streamlined service and maintenance

### COMPREHENSIVE IMAGE FUNCTIONALITY

Supports stepwise, continuous and magnifier functions to enlarge images that can be saved and/or transferred to external storage in general image formats including BMP, JPG, GIF and TIFF

The STVS CX100100BI is an advanced dual-energy X-ray inspection system designed for luggage, hand baggage, and breakbulk cargo.

With tunnel dimensions of 39.8 in width and 39.6 in height, CX100100BI is engineered with an ergonomic design for efficient screening at numerous locations including airports, railway stations, customs, ports, and stadiums. The enhanced image quality and advanced material classification of CX100100BI enable multiple optional features including automatic explosives and narcotics detection.



## TECHNICAL SPECIFICATION

Tunnel Dimension W x H(mm)	39.8 in (W) x 39.6 in (H)
Conveyor Speed	0.20m/s
Conveyor Height	27.6 in
Max. Load	440.9 lbs.

## IMAGE PERFORMANCE

Wire Resolution	38 AWG
Steel Penetration	35mm
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 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 1 $\mu$ Gy / 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	140 in (L) x 52.4 in (W) x 77 in (H)
Weight	3,130.56 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	1.0kVA