

CX6040BI

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 30mm

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

RELIABLE

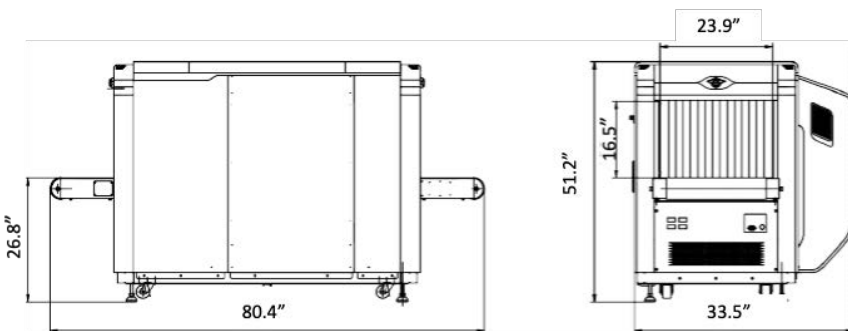
Operating and data storage safety are guaranteed by applications of industrial computer, embedded system, and data access strategy and configuration

OPTIMIZED CONOPS

Centralized image monitoring and storage capability implemented by various network applications

MODULAR DESIGN

Full built-in diagnostic facilities for streamlined service and maintenance



The STVS CX6040BI is an advanced dual-energy X-ray inspection system, widely installed at airports, mass transit stations, critical infrastructure, post offices, and during large events around the world.

Based on the field proven CX series product platform, CX6040BI features unsurpassed image performance, ergonomic user interface, advanced image enhancing algorithms, network applications, and high reliability and safety.

TECHNICAL SPECIFICATION

Tunnel Dimension W x H(mm)	606mm x 420mm
Tunnel Dimension W x H(inch)	23.9 in x 16.5 in
Conveyor Speed	0.17m/s--0.25m/s
Conveyor Height	26.8 in
Max. Load	352.74 lbs.

IMAGE PROCESSING SYSTEM

Image Enhancement	Color/BW, negative, high/low penetration, organic /inorganic stripping, general Image Enhancement 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 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.
Other Functions	Explosives/narcotics detections, high-density area alert, threat image projection (TIP)

HEALTH AND SAFETY

X-ray Leakage	Less than 1 μ 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

Installation Data Dimensions Lx W x H(mm)	2042mm x 850mm x 1300mm
Installation Data Dimensions Lx W x H(inch)	80.4 in (L) x 33.5 in (W) x 51.2 in (H)
Weight	1,102.31 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	120VAC (-10% ~ +10%) 60Hz 3Hz
Power Consumption	0.8kVA

Note: Image performance specifications are based on test piece complying with ASTM Standard.