

XRC 100-100 DV X-RAY CONTROL SYSTEM

LARGE PACKAGES AND LUGGAGE



SecurSCAN XRC 100-100 LC is a medium-sized X-ray security system, designed for scanning large luggage, large parcels of goods, heavy packaging. It allows the identification of organic and inorganic materials including counterfeit objects, contraband, weapons of all kinds, artisanal and conventional explosive devices (IED), liquid, solid, powdered drugs.

The nature of the materials that make up the scanned objects is represented by a predetermined color code:

organic materials in orange, metallic materials in blue, inorganic materials in green and non-penetrable materials in black.

The representation of the baggage is **without shadow areas**, and it is possible to automatically signal in real time (with a moving belt) the presence of **dangerous objects** (guns, knives, hacksaws, etc.) with a settable threshold.

XRC 100-100 DV thanks to **Dual View technology** with dual Generator, provides high resolution and remarkably detailed images, as captured from horizontal and vertical perspectives, has **STAC** (European Civil Aviation Technical Service) **TSA** (Transportation Safety Administration) certification.

PHYSICAL PROPERTIES

Tunnel Dimensions:	100 x 100 cm. (WxH)
Overall Size:	365 x 181 x 186.5 cm. (WxLxH)
Total Weight:	1.340 kg.
Conveyor Height:	33.5 cm.
Conveyor Load Capacity:	200 kg. Evenly Distributed
Conveyor Speed:	0,20 mt/sec.
System Power:	230VAC +/- 10% / 60-50 Hz

STANDARD FEATURES

Programmable Function Keys
Parcel Counter
Date and Time Display
Virtual Threat Image Projection (TIP)
Organic/Inorganic Threat Alarm
Operator Training Program (OTP)
Self Diagnosis
Generator Timer
Automatic Stop Conveyor

MAIN FIELDS OF APPLICATION

XRC 100-100 DV is suitable for the control of large luggage, parcels and heavy packaging, not exceeding cm. 100x100, in areas with high freight traffic such as:

- Customs
- Logistic Warehouses
- Depot and Storage Centers
- Goods sorting centers
- Airports and seaports

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X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration:	36 mm guaranteed; 39 mm typical
Wire Resolution:	38 AWG guaranteed; 40 AWG typical
Anode Voltage:	180kV, operating at 165 KV
Tube Current:	1,0 mA
Beam Direction:	Vertically upward
Cooling:	Oil and forced air cooling

COMPUTER SPECIFICATIONS

Processor:	Intel Core i5 (or superior)
Monitor:	color 24" LED
Memory:	4GB RAM min.
Video Card:	2GB min.
Hard Drive:	1TB min.
USB Port:	6 ports min.
Operating System:	Linux

OPERATING ENVIRONMENT

Operating Temperature:	-20° > 50° C
Storage Temperature:	-20° > 50° C
Relative Umidity:	10% > 90% non condensing

OPTIONAL ACCESSORIES

- External UPS (For system)
- Operator Console (Open-Closed/Adjustable/I-stand)
- 21,5" - 27" Flat Monitor
- Input / Output Rollers
- Test Kit (STP/ASTM)
- Protective Cover
- Search Table
- Tray Return System (Motorized/Gravity)
- Inclined Conveyor
- Ultrasonic Rat Repellent
- Radiation Meter

HEALTH AND SAFETY

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All SecurSCAN X-Ray products meet all applicable international health and safety regulations.

US FDA Federal Standard 21CFR 1020.40

Health and Safety at Work Act 1974-compliant 6: Available

Film Safety: ISO 1600 / 33 DIN

CE Compliance: Certified

FCC & IEC Compatibility: Available

IP 20 Safety: Certified

Maximum level of radiation the exterior panels come in contact with is 0.1 mR/hour

STANDARD IMAGE PROCESSING FEATURES

- Perfect View (Detail Enhancement) (PV)
- Edge Enhancement (EE)
- Pseudo Color (PS)
- Organic Materials (OM)
- Inorganic Materials (IM)
- Black & White (B/W)
- Inverse Colors (IN)
- High Penetration (HP)
- Variable Edge Enhancement (+E -E)
- Variable Density (+D -D)
- Variable Gamma (+G -G)
- Variable Color Separation (+C -C)
- Zoom (64x)
- Sniper Zoom
- Recall Previous Images
- Manual/Automatic Archive
- Annotated Archive
- Multi Energy Viewer (4 - 6 Color)
- Atomic Number Display (Z Value)

OPTIONAL FEATURES

- Barcode Reader System
- External Camera Archiving
- Remote Viewing Station
- Recheck Station
- Network Supervisory System (NSS)
- Remote Access Connection
- Smart Card Login

