

LARGE PARCEL & FREIGHT  
X-RAY IMAGING SYSTEM

# XRC 100-100HCDV



XRC 100-100HCDV x-ray baggage scanner has **high conveyor unit** and **dual view system** together. The machine itself facilitates the operators use thanks to the various image processing functions, hazard alarm, advanced computer technology and the best in class software. It provides exceptional ease in detecting threats such as cutting tools, explosives narcotics and minimizes the error rate.

Thanks to its multi-diode structure and quality in imaging of scanned objects, image is colored based on density and shows organic, inorganic and mixed materials in different tones. With the help of 2 generator sources, it provides high resolution and detailed imaging in horizontal and vertical angles. The images can be accessed with a single scan without the need to re-place the packages in a different orientation. Thus, hidden objects in the luggage are detected more easily and quickly It is designed with the latest technology to scan medium and large bags and packages.

Post offices high traffic checkpoints as city transportation (metro, ferry, train stations), customs border crossings, prisons, and courier depots, like international logistics companies, goods acceptance points and etc. are its main areas of application.

# TECHNICAL DATA XRC 100-100HCDV

## PHYSICAL PROPERTIES

Tunnel Size (W x H)	: 1000 mm x 1000 mm
Dimensions (L x H x W)	: 39,37 in x 39,37 in
Approx. Weight Unpacked	: 3725 mm x 1915 mm x 1810 mm
Conveyor Height	: 146,65 in x 75,39 in x 71,25 in
Conveyor Load Capacity	: 1420 kg (3131 lbs.)
System Power	: 750 mm (29,53 in)
Conveyor Speed	: 200 kg (441 lbs.) Evenly Distributed
	: 110/220V AC ± 10% 50/60 Hz, 12A/6A.
	: 0,20 m/sec. Forward or Reverse

## X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration <sup>1</sup>	: 37 mm guaranteed; 39 mm typical
Wire Resolution <sup>1</sup>	: 38 AWG guaranteed; 40 AWG typical
Anode Voltage	: 180kV, operating at 165kV
Tube Current	: 1,0 mA
Beam Direction	: 1st Generator - Vertically upward 2nd Generator - Horizontally sideward
Article Separation	: Low Z, Medium Z, High Z to 0,5 Z Accuracy Organic, InOrganic, Metallic
Cooling	: Oil and forced air cooling

## COMPUTER SPECIFICATIONS

Processor	: Intel® Core™ i5 (or superior)
Monitor	: Dual 21,5" Flat LCD (or superior)
Memory	: 4 GB RAM (or superior)
Video Card	: 2 GB (or superior)
Hard Drive	: 1 TB (or superior)
USB Port	: 6 port (or superior)
Operating System	: Linux

## OPERATING ENVIRONMENT

Storage / Operating Temperature	: -20°C to 50°C / 0°C to 40°C (-4°F to 122°F / 32°F to 104°F)
Relative Humidity	: 0% to 95% non-condensing
Duty Cycle	: 100% (24 Hours), No warm-up required

## HEALTH AND SAFETY

All X-Ray Center Ltd 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

## OPTIONAL FEATURES

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

## OPTIONAL ACCESSORIES

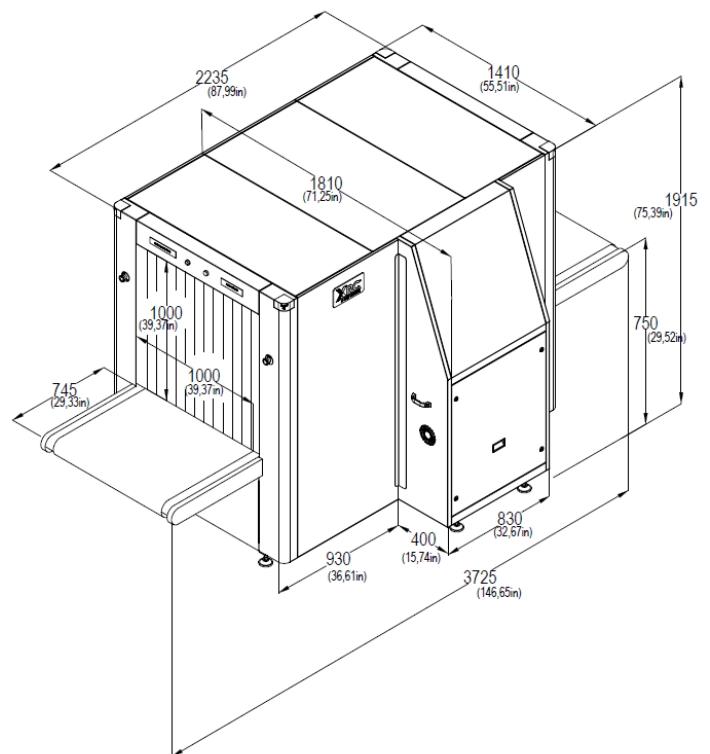
External UPS (For system)  
Operator Console (Open-Closed/Adjustable/I-stand)  
21,5"- 27" Flat Monitor  
Input / Output Rollers  
Test Kit (STP/ASTM)  
Protective Cover  
Search Table  
Tray Return System (Motorized/Gravity)  
Inclined Conveyor  
Ultrasonic Rat Repellent  
Radiation Meter

## 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)

## STANDARD FEATURES

Programmable Function Keys  
Parcel Counter  
Date and Time Display  
Virtual Threat Image Projection (TIP)  
Organic/Inorganic Threat Alarm  
Operator Training Program (OTP)  
UPS (For Computer Supply)  
Multi Languages  
Self Diagnosis  
Generator Timer  
Bi-Directional Scanning  
Automatic Stop Conveyor  
Emergency Stop Buttons



<sup>1</sup>As tested on X-Ray Center Ltd. test piece. Conveyor speed is 0.20 m/sec.  
Due to continuous product development, X-Ray Center reserves the right to change specifications without notice.

