

PALLET & CARGO  
X-RAY IMAGING SYSTEM

# XRC 150-165DV (320kV)



With its **320kV** generator XRC 150-165DV x-ray baggage scanner provides superior performance and 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 /materials), image is colored based on density and shows organic, inorganic and mixed materials in different tones.

It is manufactured with **dual view (DV)** technology. Thanks to its 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.

Designed with the latest technology to scan medium and large packages on a pallet. **XRC 150-165DV (320kV)** is one of the most suitable solutions for use in high security facilities such as freight companies, terminals, airports, customs and general cargo.

# TECHNICAL DATA XRC 150-165DV (320kV)

## PHYSICAL PROPERTIES

Tunnel Size (W x H)	: 1520 mm x 1660 mm
Dimensions (L x H x W)	: 8280 mm x 3260 mm x 3185 mm
Approx. Weight Unpacked	: ~9500 kg (20944 lbs.)
Conveyor Height	: 465 mm (18,31 in)
Conveyor Load Capacity	: 3000 kg (6614 lbs.) Evenly Distributed
System Power	: 110/220V AC ± 10% 50/60 Hz, 1p 16A max. / 3p 7A max.
Conveyor Speed	: 0,20 m/sec. Forward or Reverse

## X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration <sup>1</sup>	: 70 mm guaranteed; 72 mm typical
Wire Resolution <sup>1</sup>	: 36 AWG guaranteed; 38 AWG typical
Anode Voltage	: 320kV, operating at 320kV
Tube Current	: 1,0 mA
Beam Direction	1st Generator : Vertically downward 2nd Generator : Horizontally sideward
Article Separation	: Low Z, Medium Z, High Z to 0,5 Z Accuracy
Cooling	: Oil and forced air cooling

## COMPUTER SPECIFICATIONS

Processor	: Intel® Core™ i5 (or superior)
Monitor	: 21,5" Flat (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°F to 40°C (-4°F to 122°F / 32°F to 104°F)
Relative Humidity	: 10% to 90% non-condensing

## 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

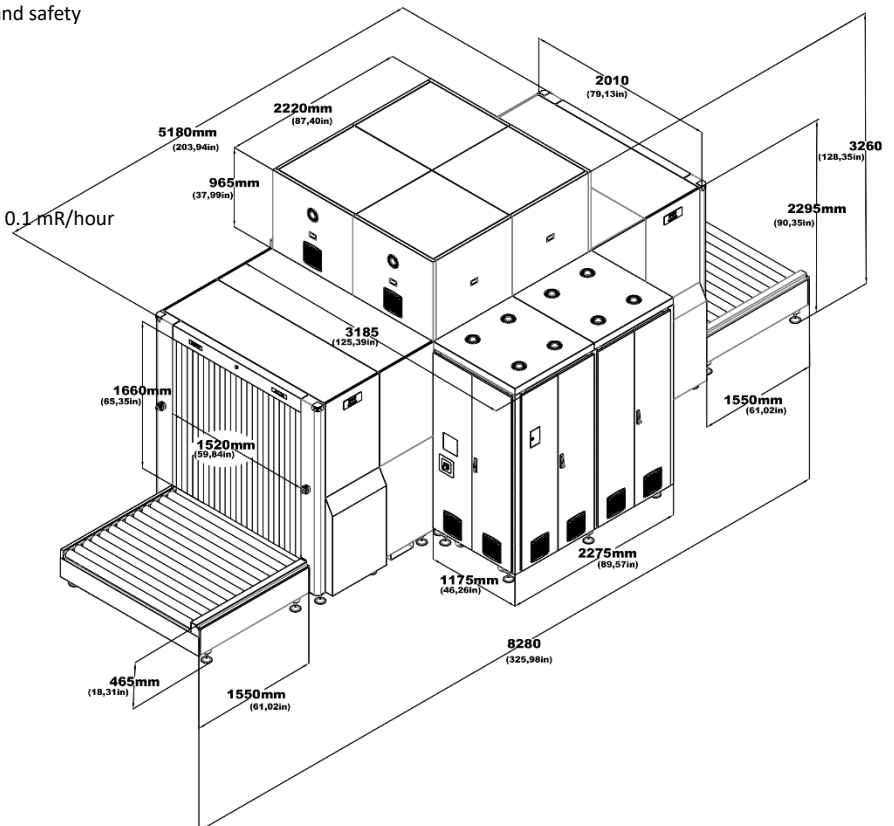
- External UPS (For system)
- Operator Console (Open-Closed/Adjustable/I-stand)
- 21,5" - 27" Flat Monitor
- Input / Output Rollers
- Test Kit (STP/ASTM)
- Protective Cover
- Search Table
- Tray Return System (Motorized/Gravity)
- Inclined Conveyor
- Ultrasonic Rat Repellent
- Radiation Meter

## 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
- Automatic Stop Conveyor



<sup>1</sup>As tested on X-Ray Center Ltd. test piece. Conveyor speed is 0.20 m/sec.

Products certified as TSA, ECAC and so on are available as an option. Please inquire from your dealer.

Due to continuous product development, X-Ray Center reserves the right to change specifications without notice.

