

PALLET & CARGO  
X-RAY IMAGING SYSTEM

# XRC 180-180DV (320kV)



American Transportation Security Administration (TSA) ACSTL qualified x-ray scanner, XRC 180-180DV provides superior performance with its 320kV generator and also it is designed 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.

It 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 materials, image is colored based on density and shows organic, inorganic and mixed materials in different tones.

It is designed with the latest technology to scan medium and large packages on a pallet and it 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 180-180DV (320kV)

## PHYSICAL PROPERTIES

Tunnel Size (W x H)	: 1800 mm x 1810 mm
Dimensions (L x H x W)	: 8580 mm x 3410 mm x 3465 mm
Approx. Weight Unpacked	: ~10500 kg (23149 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	: Dual 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°C 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

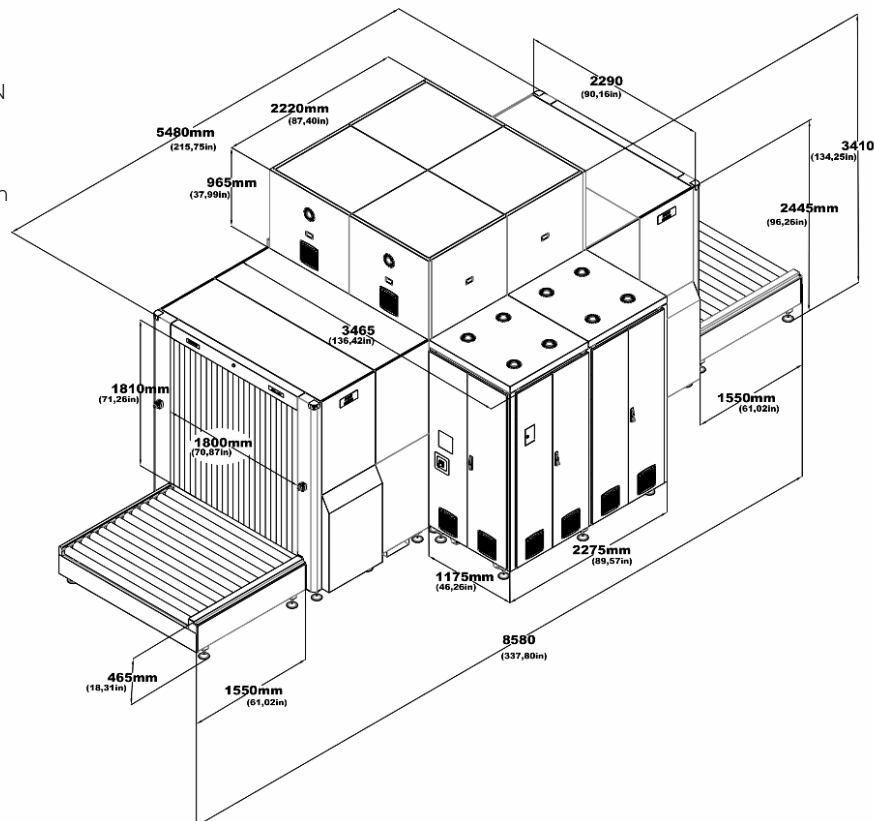
External UPS (For system)  
 Operator Console (Open-Closed/Adjustable/I-stand)  
 21,5" - 27" Flat Monitor  
 Input / Output Rollers  
 Test Kit (STP/ASTM)  
 Protective Cover  
 Search Table  
 Tray Return System (Motorized/Gravity)  
 Inclined Conveyor  
 Ultrasonic Rat Repellent  
 Radiation Meter

## 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.

