

PALLET & CARGO
X-RAY IMAGING SYSTEM

XRC 180-180DV (200kV)



American Transportation Security Administration (TSA) ACSTL qualified x-ray scanner, **180-180DV** provides excellent performance thanks to its **200kV** generator and 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 visuals 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.

The device 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. It offers unique image quality by showing the scanned organic, inorganic and mixed items in different colors thanks to its multi-diode structure and quality in imaging of scanned objects.

It is designed with the latest technology to scan medium and large packages on a pallet in detail and provides the ideal solution for locations where security screening is required in high security facilities such as freight companies, terminals, airports, customs and general cargo .

TECHNICAL DATA XRC 180-180DV (200kV)

PHYSICAL PROPERTIES

Tunnel Size	: 1820 mm x 1810 mm
(W x H)	: 71,65 in x 71,26 in
Dimensions	: 8580 mm x 2785 mm x 3015 mm
(L x W x H)	: 337,80 in x 109,65 in x 118,70 in
Approx. Weight Unpacked	: ~6800 kg (14991 lbs.)
Conveyor Height	: 385 mm (15,16 in)
Conveyor Load Capacity	: 3000 kg (6614 lbs.) Evenly Distributed
System Power	: 220V AC $\pm$ 10% 50/60 Hz , 15A/8A
Conveyor Speed	: 0,20 m/sec. Forward or Reverse

X-RAY GENERATOR & IMAGE PERFORMANCE

Steel Penetration ¹	: 50 mm guaranteed; 52 mm typical
Wire Resolution ¹	: 36 AWG guaranteed; 38 AWG typical
Anode Voltage	: 200kV, operating at 200kV
Tube Current	: 1,2 mA
Beam Direction	: 1st Generator - Vertically downward 2nd Generator - Horizontally sideward
Article Separation	: Low Z, Medium Z, High Z to 0,5 Z Accuracy Organic,
Cooling	InOrganic, Metallic
	: 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	

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

OPTIONAL FEATURES

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

HEALTH AND SAFETY

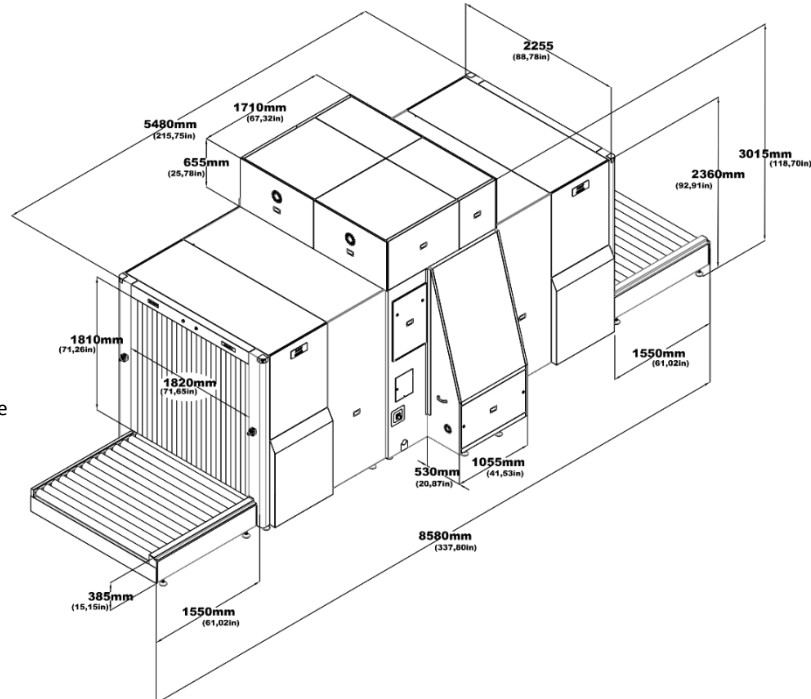
All X-Ray Center Ltd products meet all applicable international health and safety regulations.
 Safety Interlock Switchs: To protect against radiation hazards In case of opening the sensitive lids of the machine, there are Safety Interlock Switchs to prevent radiation leakage.
 Made of strong materials and durable to scratch and rust.
 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 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



¹As 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.

