

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 3015 mm x 2785 mm |
| (L x H x W) | : 337,80 in x 118,70 in x 109,65 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 ± 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, 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 | |

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 Switches: To protect against radiation hazards In case of opening the sensitive lids of the machine, there are Safety Interlock Switches 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

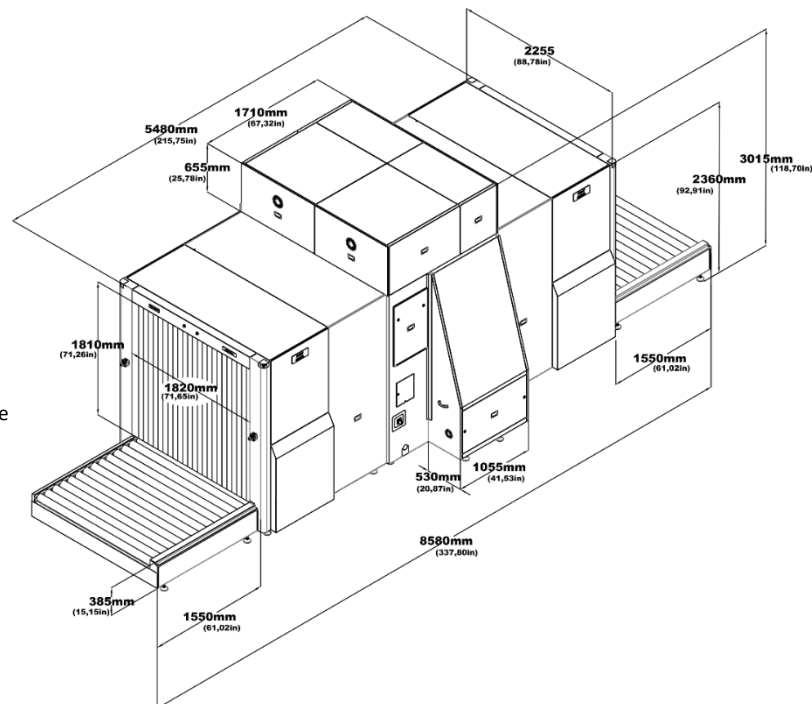
Maximum level of radiation the exterior panels come in contact with is 0.1 mR/hour

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.

