

XRC 150-165DV 320kV

PARCEL & BAGGAGE X-RAY IMAGING SYSTEM

The XRC 150-165DV (320kV) boasts a range of advanced image processing functions and top-of-the-line software features, providing high-resolution and detailed imaging in both horizontal and vertical angles. The images can be accessed with a single scan, without the need to place items in a different orientation.

Compliant with
DfT
specification



Supplied & Serviced by
www.toddresearch.co.uk



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TECHNICAL DATA



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PHYSICAL PROPERTIES

| | |
|-------------------------|---|
| Tunnel Size | : 1520mm x 1660mm |
| (W x H) | : 59.84in x 65.35in |
| Dimensions | : 8280mm x 3260mm x 3185mm |
| (LxHxW) | : 325.98in x 128.35in x 125.39in |
| Approx. Weight Unpacked | : 9500kg (20944lbs.) |
| Conveyor Height | : 465mm (18.31in) |
| Conveyor Load Capacity | : 3000kg (6614lbs.) Evenly Distributed |
| System Power | : 110/220V AC \pm 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 | : 70mm guaranteed; 72mm typical |
| 1 Wire Resolution | : 36 AWG guaranteed; 38 AWG typical |
| 1 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°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 products supplied by Todd Research Ltd 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 EXTRAS

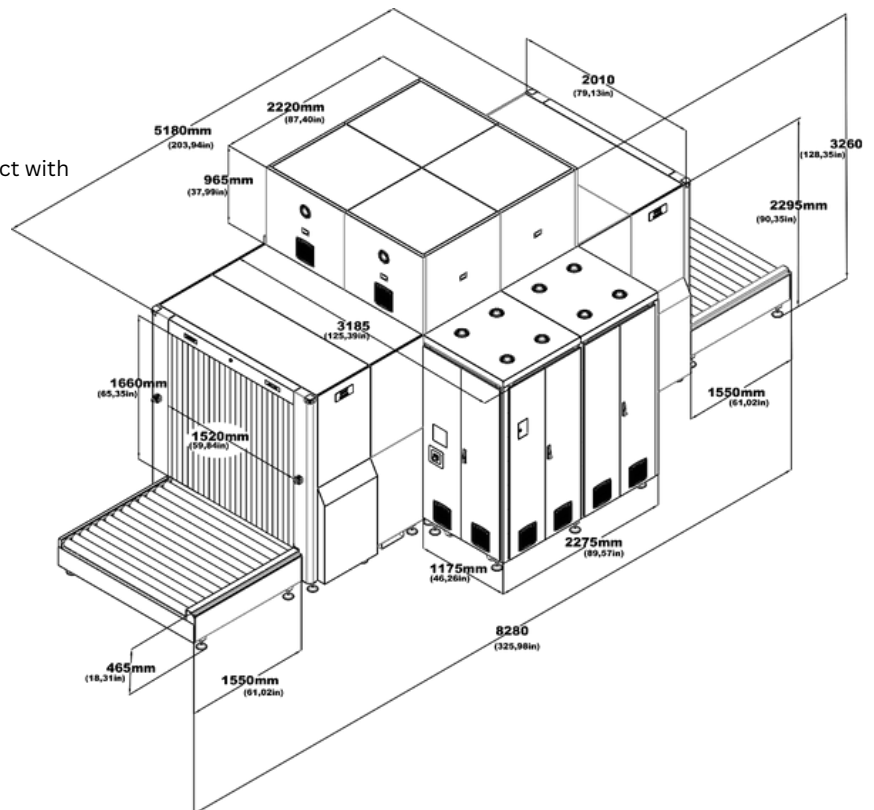
External UPS (For system)
Operator Console (Open-Closed/Adjustable/I-stand)
21.5"-27" Flat Monitor
Input/output Rollers
Test Kit (STP/ASTM)
Protective Cover
Search Table
Tray Return System (Motorized/Gravity)
Inclined Conveyor
Ultrasonic Rat Repellent
Radiation Meter
Virtual Threat Image Projection (TIP)
Threat Alarm

STANDARD IMAGE PROCESSING FEATURES

Perfect View (Detail Enhancement) (PV)
Edge Enhancement (EE)
Pseudo Colour (PS)
Organic Materials (OM)
Inorganic Materials (IM)
Black & White (B/W)
Inverse Colours (IN)
High Penetration (HP)
Variable Edge Enhancement (+E -E)
Variable Density (+D -D)
Variable Gamma (+G -G)
Variable Colour Separation (+C -C)
Zoom (64x)
Sniper Zoom
Recall Previous Images
Manual/Automatic Archive
Annotated Archive
Multi Energy Viewer (4 -6 Colour)
Atomic Number Display (Z Value)

STANDARD FEATURES

Programmable Function Keys
Parcel Counter
Date and Time Display
Operator Training Program (OTP)
UPS (For Computer Supply)
Multi Languages
Self Diagnosis
Generator Timer
Automatic Stop Conveyor



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