The

XPERT® 80

X-ray System



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MSS-15 Rev C

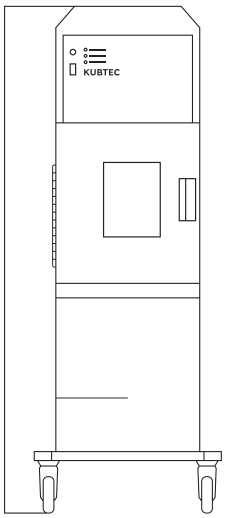
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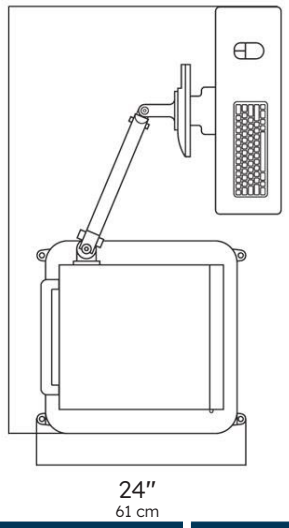
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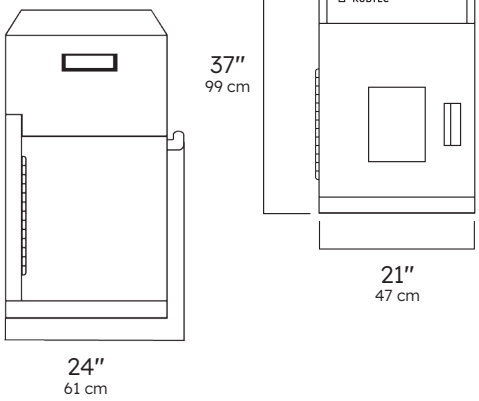
SYSTEM SPECIFICATIONS

System Diagram





Benchtop Configuration



Electrical Requirements	
Input Line Voltage	100–130 VAC, 200–250 VAC
Peak Input Power	500 W
Frequency	50/60 Hz
Physical	
Construction	Fully Integrated Mobile System
Free-Standing Dimensions	24″ L x 24″ W x 66.5″ H (61 cm x 61 cm x 169 cm)
Benchtop Dimensions	21″ L x 18.5″ W x 39″ H (53 cm x 47 cm x 99 cm)
Weight with cart	450 lbs (204 kg)
Weight without cart	300 lbs (136 kg)
Digital Image Receptor	
Active Imaging Area	5” x 6” (12 cm x 15 cm) 9” x 12” (23 cm x 29 cm)
Pixel Size	49.5 µm
Output Image	16-bit
Acquisition Workstation	
CPU	Multi-core Intel
Memory	16 GB RAM
Hard Disk	Solid-state 1 TB capacity
Display Monitor	2 MP LCD monitor diagonal 24″ (610 mm)
Operating System	Windows 11 Enterprise
Network Connection	1 Ethernet hardwire connection wireless: 5GHZ, 802.11ac protocol, 48 net channel and WPA2-personal security type
Storage Formats	TIFF, JPEG, and DICOM
User Interface	Keyboard and mouse, touchscreen (optional)
Image Display	
Image Processing	Samples and animal images with window level presets and invert features
Visualization Enhancement	Variety of filters for image enhancement
Magnification	Zoom and magnifying glass tools
Annotations and Image Management	Text, left and right marker, ruler, arrows, multi-level views, flip, rotate, and crop

X-ray Source	
Energy Range	20–81 kV
Anode Type	Tungsten
Tube Current	0.162 mA
Focal Spot Size	5–9 µm nominal
Filtration	0.127 mm beryllium
Exposure Modes	
Manual/Preset	User selects kV and µA
Auto/AEC	System determines the optimum kV and µAs
Cabinet	
Safety Features	Fully shielded cabinet, multiple interlocks, and password-protected system settings
Indicators	Power, X-ray ready, X-ray active (on/off), and interlock status
Magnification Levels	Three levels of magnification
Other	Lighted cabinet with optical camera, lead glass viewing window, locking/swivel wheels, and stainless steel interior
Optional Equipment	
Anesthesia Port	
Benchtop Configuration	
Proprietary Features	
Optical Camera	
The Image Blender™	
Softwares	
The DIGICOM® Specimen Radiography Software	
The DIGIMUS® Multi BMD and Body Comp Analysis Software (optional)	
Accessories & Resources	
System Manual (IFU)	
Quick Reference Guide (QRG)	
Magnification Tray	

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