The

PARAMETER® 3D

Tomosynthesis System



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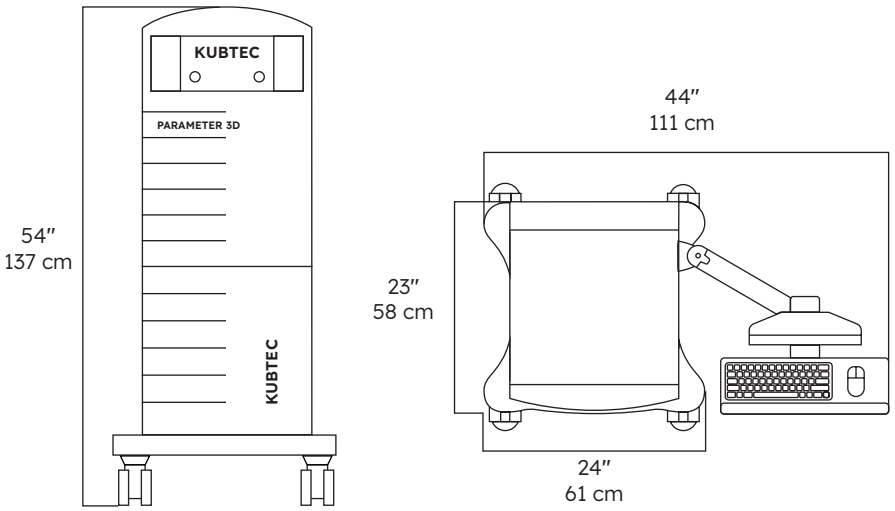
MSS-11 Rev C

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SYSTEM SPECIFICATIONS

System Diagram



Electrical Requirements	
Input Line Voltage	90–250 VAC
Peak Input Power	500 W
Frequency	50/60 Hz
Physical	
Construction	Fully Integrated Mobile System
Exterior Dimensions	23″ L x 24″ W x 54″ H (58 cm x 61 cm x 137 cm)
Interior Dimensions	12″ L x 13″ W x 12″ H (30 cm x 33 cm x 30 cm)
Weight	300 lbs (136 kg)
Digital Image Receptor	
Active Imaging Area	5″ x 6″ (12 cm x 15 cm)
Pixel Size	49.5 µm
Output Image	16-bit
Acquisition Workstation	
CPU	Multi-core Intel
Memory	8 GB RAM
Hard Disk	Solid-state 1 TB capacity
Display Monitor	2 MP LCD monitor diagonal 22″ (546 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, mouse, and touchscreen (optional)
Image Display	
Image Processing	Samples and animal images with window level presets and invert features
Visualization Enhancement	3D tomosythesis capability with image enhancing filters
Magnification	Zoom and magnifier glass tools
Annotations and Image Management	Text, left and right marker, ruler, erase tool, arrows, multi-level views, flip, rotate, crop, contrast, and brightness adjustment

X-ray Source	
Energy Range	20–50 kV
Anode Type	Tungsten
Tube Current	1 mA
Focal Spot Size	50 µm nominal
Filtration	0.127 mm beryllium
Exposure Modes	
Manual/Preset	User selects kV and µA
Auto/AEC	System determines optimum kV and µAs
Cabinet	
Safety Features	Fully shielded cabinet, multiple interlocks & password-protected system settings
Indicators	Power, X-ray ready, X-ray active, and interlock status
Magnification	Three levels of magnification
Other	Lighted cabinet with optical camera, locking/swivel wheels, and stainless steel interior
Optional Equipment	
Anesthesia Port	
Softwares	
The DIGICOM® Specimen Radiography Software	
The DIGIMUS® Multi BMD and Body Comp Analysis Software (optional)	
Proprietary Features	
Optical Camera	
The Image Blender™	
Accessories & Resources	
Magnification tray	
System Manual (IFU)	
Quick Reference Guide (QRG)	

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