The XSEED® Imaging System



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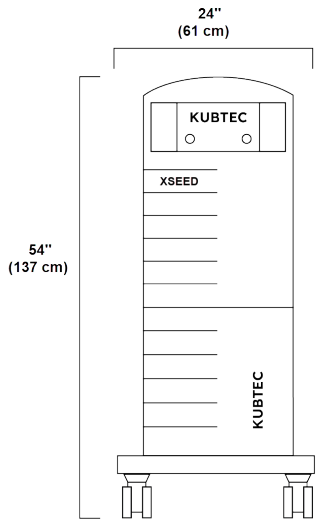
MSS-35 Rev B

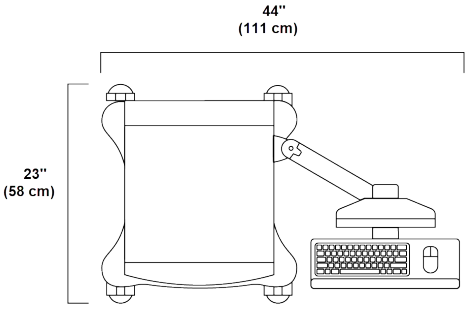
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SYSTEM SPECIFICATIONS

System Diagram





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
External Dimensions	23″ L x 24″ W x 54″ H (58 cm x 61 cm x 137 cm)
Internal Cabinet Dimensions	14.25 W x 12.87″ D x 11.68″ H (36.20 cm x 32.70 cm x 29.68 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 image data
Acquisition Workstation	
CPU	Multi-core Intel
Memory	16 GB RAM
Hard Drive	1 TB
Display Monitor	2 MP LCD 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	DICOM, TIFF, and JPEG
DICOM Services	Worklist, storage, query, and retrieve
User Interface	Keyboard and mouse
Image Display	
Image Processing	Advanced view of samples with preset and manual window/level and invert
Visualization Enhancement	Filters to enhance images and adjust contrast
Magnification	Zoom tool and magnifier
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, multi-point interlocks and password protected system settings
Indicators	Power, X-ray ready, X-ray active, and interlock status
Magnification	Four levels of magnification available
Other	Lighted cabinet with optical camera, locking/swivel wheels, and stainless steel interior
Software	
The DIGISEED® Seed Analysis Software	
The DIGICOM® Specimen Radiography Software	
Proprietary Features	
Optical Camera	
The Image Blender™	
Accessories and Resources	
Magnification Tray	
System Manual (IFU)	
Quick Reference Guide (QRG)	

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