The

XSEED®*mini*

Imaging System



MSS-36 Rev B

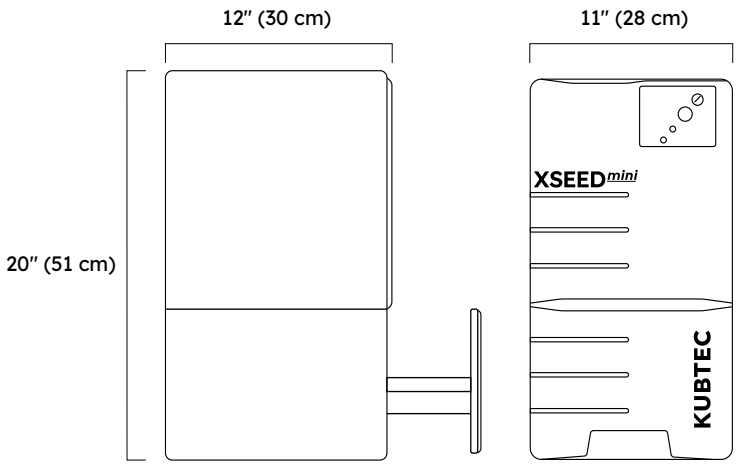
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THE XSEED®mini Imaging System

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	Benchtop system with computer and monitor (optional cart configuration)
Dimensions without Cart	11″ L x 12″ W x 20″ H (28 cm x 30 cm x 51 cm)
Dimensions with Cart	23″ L x 34″ W x 52″ H (58 cm x 86 cm x 132 cm)
Lower Specimen Drawer Internal Dimensions	6.88″ W x 8.16″ D x 1.25″ H (17.47 cm x 20.74 cm x 3.18 cm)
Upper Magnification Drawer Internal Dimensions	5.96″ W x 6.58″ D x 1″ H (15.14 cm x 16.73 cm x 2.54 cm)
Weight without Cart	70 lbs (32 kg)
Weight with Cart	170 lbs (77 kg)
Digital Image Receptor	
Active Imaging Area	3″ x 5″ (12 cm x 7 cm)
Pixel Size	49.5 µm
Output Image	16-bit image data
Acquisition Workstation	
CPU	Multi-core Intel
Memory	16 GB RAM
Hard Drive	512 GB
Display Monitor	2 MP LCD monitor diagonal 22″ (546 mm)
Operating System	Windows 11 Pro
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
DICOM Services	Worklist, storage, query, and retrieve
User Interface	Keyboard and mouse

Image Display	
Image Processing	Enhanced display of samples and animal specimens with presets and manual window/level and invert features
Visualization Enhancement	Variety of filters for image enhancement
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
Drawer	
Safety Features	Fully-shielded drawer, multi-point interlocks, and password protected system setting
Indicators	Power, X-ray ready, X-ray active (on/off), and interlock status
Magnification	One magnification level
Other	Magnification drawer and interior surfaces are easily cleaned
Optional Equipment	
Mobile Cart	
Software and Proprietary Features	
The DIGICOM® Specimen Radiography Software	
The DIGISEED® Seed Analysis Software	
Copy Path	
Resources	
System Manual (IFU)	
Quick Reference Guide (QRG)	

KUBTEC®
111 Research Drive
Stratford, CT 06615 USA
www.kubtecscientific.com
T: +1.203.364.8544

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Contact Support
+1.203.364.8544, press option 3 for service
service@kubtec.com