

Required Specifications for	Echocardiography Ultrasound System
Make	To be specified
Model	To be specified
FDA Clearance	Yes
Application	Cardiac application
Probes Types, MHZ	
2D/3D phased array probe	2-5 MHz
4D TEE probe (Adult)	To be Specified (Need 3D high volume rate with color flow)
CW pencil probe	2 MHz
Frame Rate(fps)	1000 or greater
Gray Scale levels	256
Preprocessing	Yes
Post processing	Yes
Transducer Ports	At least three
Imaging Modes	
B mode	Yes
M-mode	Yes
3D Mode	Yes
4D Mode	Yes
Tissue Harmonic Imaging	Yes
Doppler	Yes
Color Flow Doppler	Yes
Pulsed Wave Doppler	Yes
Continuous Wave Doppler	Yes
Auto Time Gain compensation(TGC)	Yes
Manual Time Gain Compensation (TGC)	Yes
Cardiac and Heart Measurements /calculations	Should be included
3D/4D Technology (Cardiac and Hearts Measurements/calculations)	Should be included
Stress Echo application software	Should be included
LV and RV 3D Ejection Fraction application software	Should be included
Speckle Tracking echocardiography application software (STE)	Should be included
Monitor	Medical grade LCD/LED
Size	To be specified
Type	To be specified
Image storage on Hard Disk	Specify storage capacity/EchoPAC
Removable Storage Media	(DVD, CD or USB)
Network Connectivity	
DICOM 3	All classes including MPPS
HIS/RIS Interface (worklist)	
MPPS	
Dicom Query/Retrieve	
Dimensions H X W X D in cm	To be specified
Weight	To be specified
Power Requirements	