

Color Doppler Machine

1. The system should be state-of-the-art model and all digital beam former for superior image quality with integrated light weight mobile cart.
2. The system should have General Sonographic and Vascular applications
3. Should have 15" or more high resolution TFT monitor with tilt and swivel facility and should be able to view in all angels and all light conditions
4. Should have three active ports, switchable electronically for Probe selection.
5. Should have an alpha-numeric keyboard with easy access scan controls and track ball.
6. Should have independently selectable gain control.
7. Should have 2D, M-Mode, power Doppler, Pulsed Wave Doppler and colour Doppler.
8. Triplex imaging display modes on all probes
9. Should have Tissue Harmonic Imaging.
10. Should have color flow imaging
11. The system should have extensive calculation software package for General ultrasonographic imaging and vascular imaging.
12. The system should have provision for measurement and calculation of distance, area, volume and circumferences on the image.
13. The system should have dedicated reporting pages for all the applications.
14. Should have patient reporting page with embedded images.
15. The system should have minimum 256 grey scales or more.
16. The system should have facility to store more than 2000 images.
17. Unit should function with 200-240V AC, 50/60 Hz input power supply.
18. Should have an inbuilt DVD/Blue ray writer/USB.
19. Should be supplied with thermal printer and pack of thermal paper and the units should have an option to connect external printer.
20. DICOM output facility without additional Hardware or software.

21. Should be a latest generation system with minimum 1024 Processing channels.
22. Should supply pure sine online UPS of sufficient capacity with minimum 30 minutes backup to connect all the equipments supplied.
23. Should be US FDA approved.

Probes

1. Should have 2-5 MHz broadband Convex probe for general imaging.
2. Should have 4-12 MHz broadband Linear Array probe for Vascular imaging.
4. Should have 4-8 Mhz broadband Trans-vaginal / Trans-rectal probe/Trans cavity probe.
5. Probe frequency for all probes with ± 1 MHZ shall be allowed.

Note

1. Price of each probes shall be quoted separately in the price bid form.
2. Probes shall be purchased accordingly to the user institution requirements. The cost of probes shall include all the associated software, measurement, reports, packages etc.