ULTRASOUND MACHINE WITH COLOR DOPPLER 4D9 LIVE 3D

TECHNICAL SPECIFICATIONS

1. Should be a multi-purpose, high performance color Doppler imaging system designed for abdominal, vascular, Obstetrics, Gynecology, cardiology, neonatal, urology, transcranial Doppler, small parts and superficial applications.
2. The machine should be mounted on an ergonomic trolley for easy movement and handling.
3. The system should have real time 4D Technologies for both convex and TV applications and 4D Volume imaging. Should have a scanning depth of at least 30 cms.
4. Should have B-mode, Mmode, color M-mode, Anatomical M-mode, Color flow mode, power Doppler, direction power Doppler, steerable continuous wave Doppler mode.
5. Should have 15” or more high resolution color TFT monitor with tilt and swivel facility and should be able to view in all angles and all light conditions.
6. Should have three active ports.
7. Should have a 4D convex probe of 2-5 MHz for general purpose abdominal, obstetrics and gynecological applications.
8. Should have a Transvaginal/ Trans-rectal probe of 5-8 MHz.
9. Should have a convex probe of 2-5 MHz.
10. Should have a linear probe of 7-12 MHz.
11. Should have tissue Harmonic Imaging on all probes.
12. The system should have the following display modes B, B/B, B/M real time, B mode with color Doppler, B mode with pulsed Doppler, B mode with color and pulsed Doppler.
13. Should have convex like image on linear probe.
14. Post processing capabilities should be possible on all operating modes.
15. The system should have minimum 256 grayscales or more.
16. Should have an alpha-numeric keyboard with easy access scans controls, track ball and status display.
17. The system should have extensive calculation software package for Ob/Gyn, General imaging and vascular studies.
18. The system should have dedicated reporting pages for all the applications.
19. The system should have at least 80 GB hard disk for image storage.
20. Unit should function with 200-240Vac, 50/60 Hz input power supply.
21. Unit should be supplied with online UPS with a minimum 30 minutes back-up time.
22. Should have a CD/DVD writer and option to connect external printer.
23. Should be supplied with compatible thermal printer with the unit.
24. Should have DICOM compatibility without additional hardware.
25. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.