

System should be operated for general purpose ultrasound scanner for Abdomin, OB/GYN, vascular and small parts application.

- Latest Generation Fully digital beam former with latest technology
- System should be capable of Multiband Convex/Linear/Phased Array/Endocavity
- System should have at least 19" or more latest high resolution fully flat strain free TFT monitor with tilting facility.
- Modes-2D, Dual 2D, Quad 2D, M-Mode Split and Full and 2D & Colour simultaneous facility.
- Tissue Harmonic facility in Convex, Linear, Endocavity and Phased Array probes
- Digital processing channels 1024 channels
- System Gray Scale 256 levels
- Display modes with B, 2B, 4B, M, PW, CW, HPRF, and Color Doppler with power Doppler.
- Steering on Color/PW modes on Linear probe available.
- Triplex mode should be possible
- Should have triplex mode with at least 18 frames per sec
- System should have multistage speckle noise reduction technique with out dropping the frame rate.
- System should have Cine loop and scroll facility
- Should have cine memory up to 400 frames
- Selectable duration of clip storage up to unlimited duration of real time video clips storage one patient full scan in one clip.
- Storage media-Internal Hard disk, CD/DVD and USB pen drive.
- System should have in built work station software for work flow management
- Should have minimum 4 active probe connector
- Transducer technology: system is capable of handling 1-18 Hz
- Multi frequency imaging with independent selection of 2D/Color/Spectral Doppler frequency available
- Upgradable to cardiology should be possible
- Upgradable to Real time 3D/4D should be possible.
- Application presets: Unlimited user programmable presets
- Image Management:
System has facility to store more than 1,00,000 images as well as unlimited video clips storage facility and has the of performing calculations and annotations on stored images.
Direct CD/DVD writing.
- User Interface PC-based operating principle.
- Direct connection to latest available Ink jet or Laser printer should be possible.
- Back lit illumination of control panel with in built Alphanumeric key board.
- System has on screen menu for easy and immediate access to imaging controls. Live image is supported with side by side reference/stored images on the flat panel monitor.