

AKAI Med

Full Complete
Built in Colour
Doppler Ultrasound



NOVA 7

NOVA 7

THE FACT BEYOND THE IMAGE

NOVA 7

Standard Configuration Includes :

- Main unit with 19" high resolution LED monitor+4 probe connectors
- 500G hard disk; DVD-R/W and 6 USB ports
- 4D module
- B, 2B, 4B, B/M, B/BC, CFM, PW, Power Doppler/Directional PD, Instant Triplex, Duplex, Quadplex, Trapezoidal, Chroma B&M&PW
- Automatic PW trace and measurement in real time
- Super Image module: Tissue harmonic, Multiple Compound Imaging, SRA (Speckle Reduction Algorithm),X-contrast,Q-beam,Q-flow
- Q-Image (intelligent image optimization)
- Measurement & calculation software packages: General, OB&GYN
- 2D steer
- Super Needle
- IMT
- DICOM 3.0



Advanced Technologies

- Compared to the traditional dual-beam former on most ultrasound machines, the uses quad-beam technology for ultrasound signal receiving.
- Doubles the volume of signals received over traditional methods, increasing image resolution and generating more accurate images.
- Produces higher frame rates, ensuring better diagnostic confidence and efficiency, especially for moving organs.
- The NOVA 7 allows one-touch user-adjusted contrast resolution based upon differences in tissue density.
- Enhance, Normal, and Suppress settings increase or decrease contrast resolution, based on the tissue type and user preference.
- This adaptive color detection technology can automatically adjust the assessment of color signal and noise according to different tissues.
- As a result, color sensitivity of low-velocity flow is significantly enhanced.

Other features :

- FHI is a HIT that uses multiple transmission and receiving methods based on the patients' size and weight. This allows the to maintain image resolution when imaging obese patients.
- Traditional Tissue Harmonics and Phased Harmonics compromise image quality and resolution when penetration is increased.

Image Processing Technologies

- Speckle Reduction Algorithm (SRA)
- Multiple Compound Imaging (MCI)
- Q-image
- Q-flow
- X-contrast
- Q-beam
- FHI
- Super Needle



Professional Clinical Applications

- ABD
- OB / GYN
- Vascular
- MSK
- Small Parts
- Urology
- Pediatrics
- Cardiac




Options


- 4D software license
- Virtual HD/Depth View
- Curved Panoramic View
- Elastography
- Stress Echo
- Extended Cardiac Package: ECG Software, CW, Free Steering M, Color M, TDI (standard under phase array probe)
- Battery
- Biopsy kit: for 3.5 MHz convex / 7.5MHz linear / 3.0 MHz Micro-Convex /6.0Mhz TV probe
- Foot-switch
- SONY UP-X898MD B&W Video Printer


3.5 MHz Convex probe
4.0-15.0 MHz Linear probe
7.0-18.0 MHz Linear probe
4.0-15.0MHz Linear probe (60mm)
6.0 MHz Trans-vaginal probe
7.5 MHz Trans-vaginal probe
3.0 MHz Phased array probe (Adult)
6.0 MHz Phased array probe (Pediatric)
5.0 MHz Pediatric Micro-Convex probe
6.0 MHz Pediatric Micro-convex probe
7.5MHz Trans-rectal probe
4.5 MHz 4D volume probe


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