

HY5577

Digital Ultrasonic Diagnostic System Technical Specification

Application	Abdomen, OB&GYN, Small parts, Urology, Cardiology, Pediatrics etc.
Scanning Method	Electronic Convex/ Electronic Linear/ Electronic micro-convex
Displaying Mode	B, B/B, 4B, B/M, M
Focusing	Continuous Dynamic Focusing, acoustic lens focusing
Image Processing	Image persist, edge enhancement/ smooth, RDF, grey scale adjustable, image left/right inversion, image up/down inversion, image positive/negative inversion, eight slides STC, M mode speed, linedensity selection, line frame frequency, scanning angle/ width, 4 image frequency.
Acoustic Power	Multilevel and adjustable
Imaging Techniques	Digital beam former, dynamic Aperture, DRF, RDF, RDA ,THI
Grey Scale	256
General Measurements	B Mode: distance, circumference, area, angle, volume, % stenosis, histogram M Mode: heart rate, time, distance, velocity
OB software package	Four database for calculating pregnant weeks: (one for user-defined) GS, BPD, CRL, FL, HL, TAD, LV, OFD, AC, HC , etc. AFI, Fetal weight, Ratio, LMP, BBT, fetal growth curve, Fetal Biophysical Score, OB report
GYN software package	Measurement and calculation for uterus, ovary, follicle, GYN report
Urology Software Package	Measurement and calculation for kidney, bladder, residual urine volume , Urology report
Andrology Software Package	Measurement and calculation for Prostate, testicle, Calculation for PPSA, PSAD, Andrology report
Cardiology Software Package	Heart rate, velocity, LV, RV, aortic valve, mitral valve, Cardiology report
Body Mark	Abdomen, Andrology, Cardiology, Gynecology, Musculoskeletal, Obstetrics, Pediatric, Small part, Urology
Cine Loop	Large capacity of cine loop automatically or manually. Cine loop speed adjustable
Image Storage	Storage for single image in format of BMP, JPEG, PNG, etc; storage for cine loop in AVI
Interfaces	SVGA, USB, RS-232, internet port, parallel print port, parallel communication port, DVD-ROM



Stand Configuration Main unit, LCD monitor, 3.5MHzR60 convex probe

Optional Configuration
 3.5MHz micro-convex probe
 6.5MHz vaginal probe
 7.5MHz high-frequency linear probe
 Image recorder, laser printer, inkjet printer
 5 degree frequency, built-in workstation
 3rd probe connector, DVD-ROM burner



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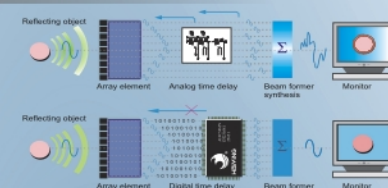


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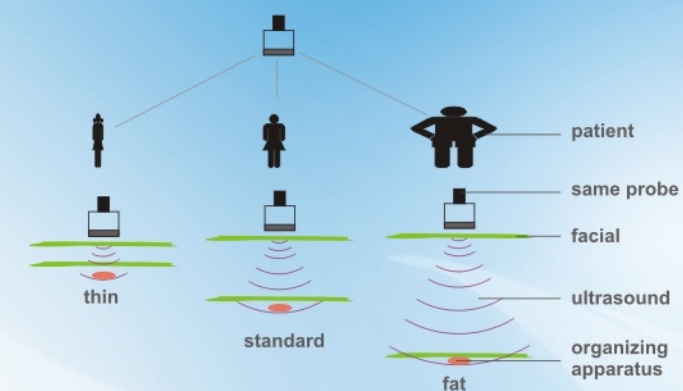
HY5577 ultrasonic diagnostic system is designed for user comfort with a friendly operation interface and gentle light keyboard. It offers many smart features, such as super PC platform, intelligent incorporated work station, IP one key optimization, for easy and efficient use. The powerful software packages ensure a good performance covering the full range of healthcare application as OB&GYN, Urology, Andrology and Cardiology.

Digital Beam Former Technology



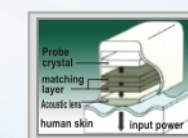
The digital beam former technology is the best way to transfer the analog signals to digital signals, which is with the advantage of focus for all and broad frequency band. It overcomes the disadvantages of analog beam such as imprecise time delay, non-linear attenuation and multiple reflection. It also gives you zero loss, distortionless and low-noise image and improves the definition and contrast of image.

Lifelike image



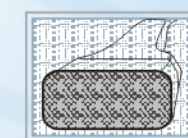
Broad Band and Multi-frequency Probe Technology

Support frequency conversion for several probes. The detecting depth can be adjusted by switching the probe's frequency to meet the needs of clinic.



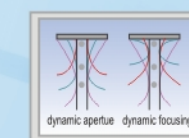
SCIENTIFIC MATCHING

Scientific matching to avoid waste of ultrasound energy effectively, improve detecting performance of probe and assure the definition of image.



VARIOUS PROBES

Working in the frequency 2.5MHz to 8.5MHz, six kinds of multi-frequency probes can be equipped to meet the needs of clinic.



CDA&CDF

Adopt CDA &CDF to improve distinguishing rate of image and detecting depth.



LARGE ANGLE SCANNING

Very Large Angle Scanning, Enlarge the viewable area efficiently.

Abundant image process dynamics



Digital beam former technology, continuous dynamic focus, dynamic aperture image technology, Dynamic filtering, RDA and etc make the image fine and real.

VGA high definition display

VGA display eliminates the scintillation of normal interlaced display. Image is clear and stable, real and fine.



Super capacity cine loop

Super capacity cine loops for choosing the satisfied images easily.

