

xerxes medical device

specification

XERXES XUPA10 ultrasound imaging system

independent intellectual property rights of ultrasonic diagnosis system of our company, its design concept is completely different from the traditional ultrasonic imaging equipment, the minimalist operation and excellent image quality are the basic characteristics, it can be applied to small organ, skeletal muscle, blood vessels, abdomen, gynecology and obstetrics, pediatrics, urinary, heart, such as application scenarios, for clinical application of ultrasonic in practical solutions and bran-new way.

Basic Feature

Model Xerxes XUPA10 Color White Function Type B imaging Operation System Windows8.1 Screen size 13 inch Wireless communication WIFI/BT Running mode Continuous Adapter input/output 100-240VAC/12VDC Rated power/Real power 30W/10-20W Size 285mm×185mm×30mm about the same size as Pad weight 1-1.5kg Designed life 5years Authentication CE/CFDA Interface 12VDC(Power) USB2.0/3.0

Human-computer interaction: full touch interface, high resolution display, large image area, mobile platform car (optional)

Function

Horizontal screen and portrait mode switch. One-click full screen magnification. Freezing and running (manual/automatic) Conventional measurement Partly amplification Catheter placement assisted. Multiple parameter modes (different measuring object) Patient information management Personalization parameter preset. Image management Report DICOM 3.0

Technical Index

Imaging Mode: B (standard), PW (alternative) Accessible Detector: line array (standard), high frequency linear array

,convex array ,Micro-array ,phased array ,cavity etc Detector Array: 80/96/128 Measurement mode: length, area, volume, perimeter etc Dynamic Range: over 120dB Gray Level: 256 Run time: external power supply: no limit ; battery supply (continuous operation): 2-4 hours Core technology : two invention patents ,multichannel whole domain synthetic aperture , synchronal transceiver ,dynamic focus , ultra-uniformity of near-far field and high resolution ;dynamic speckle noise suppression ,tissue specific imaging technology,full digital ultra-fine focusing technology ,dynamic filter/track changing / aperture technology , high frequency harmonic imaging technology ,heterogeneous multi-core computing platform ,GPU/CPU computing's dynamic distribution technology etc

Product Highlights

Simple operation □only 5 buttons , easy to use Fine Image: equal to mid-range desktop ultrasonic's black-white imaging performance Professional application : a single probe assembled specifically with every machine Imaging Parameters : default preset to the best ,no need to adjust Large Image Area : high percentage of effective image area in the screen for clearer image Smooth Image : signal/image processing mechanism based on whole system dynamic distribution ,imaging frame rate up to 30 frames/s ,better than same level models(usually 10 or more frames/s) in scanning real-time and fluency Simple to use □customizable workflows



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