Diagnostic Ultrasound System

(4D Notebook Color Doppler)

Model: uRason CX30



Features:

-15 inch full view medical HD display;
-Display model: B/2B/4B/M/CFM/PDI/PW:
-Support color and PW three synchronization;
-High-precision digital continuous beamformer.
-Dynamic frequency fusion imaging technology.
-High-precision delay point-by-point dynamic receiver focus.
-Precise SRI adaptive speckle noise suppression;
-B, C PW,BCD support real time triplex.
-Multiple measurement package to meet clinical needs.
-Preset optimization: Quick Save different Preference according to overreference or different body parts
-One-click optimization function, realize graphic optimization fast.
-One-click store Image and video.
-Built-in editable report.
-Automatic measurement of IMT;
-Support multi-languages.
-Rich external interfaces.
-Support convex/Lieaner/transvaginal/micro-convex/4D probe;

Specification:

Index	Contents
Model Name	uRason CX30+

Type	4D Notebook Color Doppler
Display	15" HD display
Display resolution	resolution :1024*768
Array element	80 element
System	PC platform,Win7 operating system
Storage space	240G SSD
The probe interface	Dual probe socket
Language	Support 7 languages (Chinese,English,Russian,Spanish, Portuguese,French,German)
External interface	HDMI, VGA, DICOM3.0, 2 USB, LINE OUT
Connectable printer	can connect to common printer(thermal printer,ink jet and laser printer)
Ultrasonic mode	Support B、B/B、 4B、 B/M、PW、CFM 、 PDI、B+PDI、B+CFM display mode
Extended function	3D 1200RMB or 4D optional
Image optimization	Support IMT automatic measurement & THI (Tissue Harmonic Imaging)
Report page	Support editable report page
Battery capacity	Built in lithium battery standby for 2 hours
Optional	-upgrade to 4D images -Special trolly
package size	460mm×340mm×560mm
packed weight	12KG

Optional Probe			
	Convex	Vaginal	Linear
			
	Phased Array	Micro-convex	Volume 4D

Probe Application and Biopsy Guide

Probe		Application	Probe		Application
Convex Probe 3.5Mhz		Abdomen Fetal / Obstetrics Urology Gynecology Musculoskeletal	Vaginal Probe 6.5Mhz		Obstetrics Gynecology Urology
Linear Probe 7.5Mhz		Small parts Peripheral Vascular Musculoskeletal	Micro Convex Probe 3.5Mhz		Small Parts Peripheral Vascular Musculoskeletal
Micro Convex Probe 6.5Mhz		Abdomen Small Parts Peripheral Vascular Musculoskeletal	Volume 4D Probe 3.5Mhz		abdomen Obstetrics
Rectal Probe 6.0Mhz		Trans-rectal Urology	Micro Convex Probe 7.5M		Abdomen Small Parts Peripheral Vascular Musculoskeletal

Probe Specifications

performance indexes	probe type and nominal frequency			
	2.0≤f < 4.0	2.0≤f < 5.0	5.0≤f < 8.0	5.0≤f < 12.0
a) probe type and model	4D	Convex array	Cavity	Linear array
b) nominal frequency (MHz)	3.5	3.5	6.5	7.5
c) Scan depth(mm)	≥140	≥160	≥40	≥50
d) Lateral resolution (mm)	≤3(depth≤80) ≤4(80 < depth≤130)	≤3(depth≤80) ≤4(80 < depth≤130)	≤2(depth≤30)	≤2(depth≤40)
e) Axial resolution (mm)	≤2(depth≤80)	≤2(depth≤80) ≤3(80 < depth≤130)	≤1(depth≤40)	≤1(depth≤50)
f) Blind area (mm)	≤7	≤5	≤4	≤3
g) Transverse geometry precision (%)	≤20	≤15	≤10	≤10
h) Longitudinal geometric location accuracy (%)	≤10	≤10	≤5	≤5
i) Slice thickness (mm)	≤5	≤5	≤5	≤5
j) Perimeter and area measured deviation (%)	≤±20	≤±20	≤±20	≤±20
k) M mode time display error (%)	≤±10	≤±10	≤±10	≤±10





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