

UltrasoundSystem

DUS - 7000



Ultrasound Digital System

New cutting-edge 4D digital imaging technology

The DUS- 7000 provides images of exceptional resolution and detail, adding wide range of services with shared capabilities such as vascular, abdominal, pediatric/ fetal, OB and OR and other applications.





3D,4D Volumetric,S-Live **DUS -7000**

High definition LCD color display with articulated arm
Ergonomic second display touch screen
Four active transducer ports
Digital front-end technology
Multi-beam forming technology
Compound imaging

μ -scan image processing
Tissue harmonic imaging
Phase-inversion harmonic imaging
High pulse repetition frequency
Panoramic imaging
3D/4D imaging, FreeHand 3D
Exam-type icons
Elastography Imaging
Contrast imaging

DVD
ECG Module
 μ -scan
5-band adjustable frequency in B mode
LGC (2-band)

Tissue characteristic index
Modes: THI, PIH, Color, PDI, DPDI, PW, Simult, Steer M, Color
M, TDI, CW, B

Dual beams
Image rotation function
Compound imaging
Trapezoidal imaging
Capacity of Image and film
HPRF Support

Biopsy enhanced
Stress Echo (optional)
Measurement package: Basic, Obstetrics, Gynecology,
Cardiology, Abdomen, Vascular, Urology, Small parts,
Pediatrics, Myocardial performance index
PW auto trace

IMT measurement
A wide range of transducers is available
DICOM: transmission, worklist, MPPS, C-store, Q/R
Power Supply: AC 100~240 Volts 50/60 Hz.
Meet ISO 13485 Quality Standard
Meets FDA 510(k) requirements.
2 years warranty.



2 YEARS
warranty

DUS 7000

Ultrasound Digital System
Outstanding performance
in multiple applications

Cardiology

Gastroenterology

Radiology

Emergency

Anesthesia

Urology

Vascular

MSK

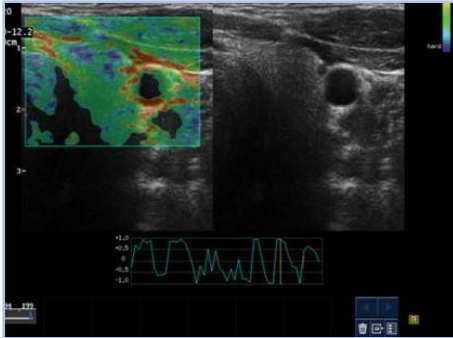
Ob/Gyn

Internal
Medicine

Abdomen

Others

Ultrasoundimages



Elastography



Trapezoidal Image



Panoramic View with Color



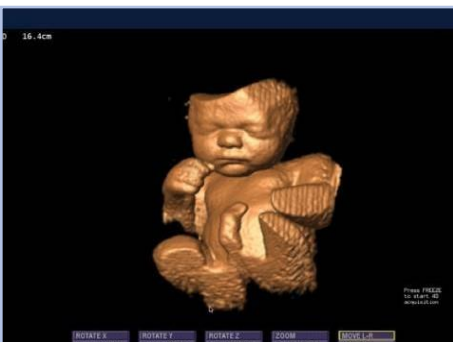
Fetus



Umbilical Artery



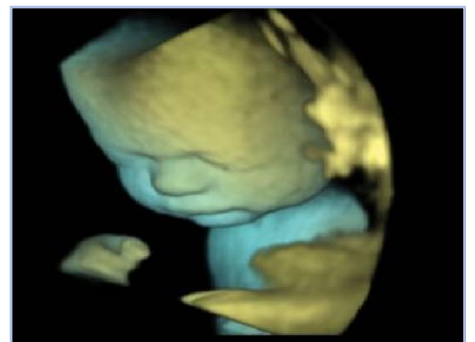
Kidney Power Flow



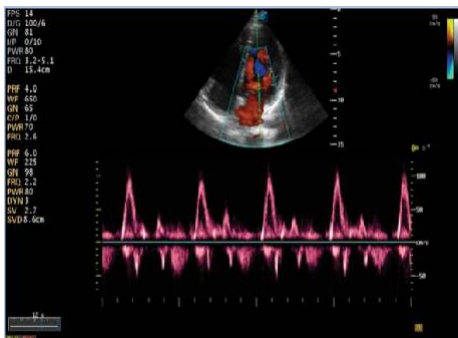
3D/4D



4D S-Live



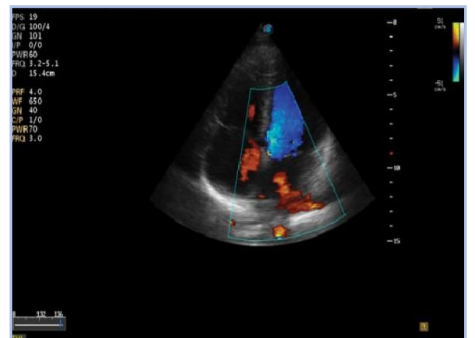
4D S-Depth



Aorta Spectral




Vascular




TDI

Gain 0-255


Convex Transducer

AI C322	72 Elements Micro-Convex Array C322 (Abdominal Biopsy). Frequency 2.0-7.0MHz/ R20mm. Biopsy Guide.	
AI C344	128 Elements Convex Array C344 (Abdominal, Obstetrics, Gynecology), 2.0-7.0MHz/ R40mm.	
AI 3C-A	128 elements convex array 3C-A (Patients with difficult access and obese & abdominal obese, Obstetrics, Gynecology), 1.0-7.0MHz/ R50mm.	
AI C613	128 elements Micro-Convex Array C613 (Cardiology, Pediatrics), 4.0-13.0MHz/ R14mm.	
AI VC6-2	Volumetric convex array VC6-2 (Obstetrics, Abdominal, Gynecology), 2.0-7.0MHz/ R40mm. (4D)	


Linear Transducer

AI L741	128 elements Linear Array L74 (Vascular, Small Parts, MSK, Breast) Frequency 4.0-16.0MHz/46mm). Biopsy Guide. AI	
L742	192 elements Linear Array L742 (Vascular, Small parts, MSK, Breast) Frequency 4.0-16.0MHz/ 38mm). Biopsy Guide	
AI L743	192 elements Linear Array L743 (Vascular, Small parts, MSK, Breast), 4.0-16.0MHz/ 46mm) Biopsy Guide.	
AI L752	256 elements Linear Array L752 (Vascular, Small parts, MSK , Breast), 4.0-16.0MHz/ 52mm).	
AI 10I2	96 elements linear array 10I2 (Intra- operative Application: Musculoskeletal, Small Parts, Nerve, Vascular, Surgery) 4.0-16.0MHz/ 25mm.	


Cardiological Transducer

AI 2P1	64 elements phased array 2P1 (Adult Cardiac, Transcranial) Frequency 1.0-6.0MHz	
AI 5P1	64 elements phased array 5P1 (Cardiac, Transcranial, Pediatric), Frequency 3.0-9.0MHz	
AI PWD 2.0	PWD 2.0 (Cardiac, Transcranial), 2.0-3.0MHz	
AI CWD 2.0	CWD 2.0 (Cardiac, Transcranial), 2.0-3.0MHz	
AI CWD 5.0	CWD 5.0 (Cardiac, Transcranial), 3.3-5.1MHz .	

Vaginal and Rectal Transducer

AI 6V3	192 elements endocavity 6V3 (Gynecology, Obstetrics, Urology), 3.0-15MHz/ R10mm.	
AI 6V7	192 elements endocavity 6V7 (Gynecology, Obstetrics, Urology), 3.0-15MHz/ R10mm.	
AI EC9-5	128 elements transrectal EC9-5 (Urology), 3.0-15.0MHz/ R8mm.	
AAI BCC9-5	128/128 elements biplane BCC9-5 (Urology), 3.0-15.0MHz/ R10mm	

Transesophageal Transducer

AI MPTEE	64 elements transesophageal (Adult) Frequency 4.0-13.0MHZ	
AI MPTEE Mini	48 elements transesophageal (Pediatric) Frequency 4.0-13.0MHZ	

Technical Specifications

B - Mode	Gain 0-255 Depth: 32.9 cm Max (According probe used) Zoom: Max . = 10 TGC : 8 Controls Slide Investment: Left / Right / Up / Down Mode: 2B & 4B Focus : Up to 12 , Lapse Adjustable focus	Frequency : 5 EasySteps U - Scan:Adjustable Dynamic Range: 20-280 dB (According probe used) GSC 7 selectable stages , 0-255 Sec . Width adjustable position B side image. Power: 1-100 % Changeable			
3D/4D Imaging	3 Simultaneously arbitrary sections Display Mode: Dual Display Quadruple Screen Full Screen 2D Full Screen 3D Full Screen 4D Rotation: X / Y / Z Movement: D / A -A Auto Rotation: 45, 90, 180, 270.360° Adjustable. Capacity: 0-255 Ouset Adjustable - Adjustable 0-255 Pending	Z scale: Adjustable Z angle: 10-170 ° Adjustable Map of Color: 4 Types Multi-Slice: Ref A, Ref B Cutting Space: 0.5-2.0 Adjustable Scanning Angle: 20-75 degrees Image Quality: High, Medium, Low 4D Gain: Adjustable Freq. Image: 5 frames / sec or more			
Capacity of image and Film	Image storage in real time single / dual Static and Dynamic Archived image can be viewed on PC Audio Player Doppler Cinema	Cine Loop: 10000 frames or more Film Loop Time: 60 seconds or more (> = 500 frames per film)			
DICOM Display signal Physiologic	ECG , Pulse Wave ECG Gain: Adjustable ECG Position: Adjustable ECG Inverted: On / Ou	R- Timer: On / Ou Trigger Delay : Adjustable Frame Count : Adjustable			
User Interface Keyboard	Keyboard abbreviation integrated Recording keys for remote control peripherals and devices DICOM 4 active ports for connecting transducers	8 TGC - Slots Integrated Function Key External keyboard			
Character and Icon	Entry Area : ID , Name, Date, Birth , Gender , Height , Weight, Last menstrual period. Body mark : 52 Types				
Optional Probe	Phased Array Probe (Cardiology) Linear Probe (Vascular Small-Parts) Curved Prove (Abdomen, OB/GYN)	Micro - Curved Probe (Transvaginal) Micro - Curved Probe (Cardiologia) Linear Surgical (Surgery)			
Measurements	General Measurements Color Mode B - Mode M - Mode 4D - Mode Spectral Doppler Obstetrical / Gynecological Measurements B - Mode Pulse - wave mode	Cardiac Measurements B - Mode M - Mode Pulse - Wave Mode Vascular Measurements Urologic Measurements Small Parts Measurements Orthopedic Measurements			
Environmental Requirements	Temperature: +10 to +40 ° C Relative Humidity: 30 % to 75 % (non-condensing) Atmospheric Pressure: 700 to 1060 hPa				
Applications	Anesthesia Cardiology	Gynecological and Obstetric Musculoskeletal	Vascular Urology	Small Parts Pediatric	Orthopedic Interventional ultrasound
Scanning Method	Probe Curve: 70 ° or more	Phased Array Probe : 90 ° or more	Probe Micro - curve: 193 ° or more		
DICOM Network Communication	Storage: Directly transmits images with patient information to the DICOM file server. Print: Images can be printed directly using a DICOM compatible printer. DICOM Storage Commitment, DICOM Worklist, DICOM MPPS, DICOM Q/R Medical digital images and communication DICOM 3.0 interface.				

Technical Specifications

Exploration Mode	4D image Biplane probe Color Mmode TDI mode CW mode	Eco Stress 2D panoramic images Panoramic images influx Color mode Elastography images Biopsy specialized guide
Image Mode	Adjustable Gain 1-255 Depth: 42.9cm Image Zoom (0.8 to 10 times) TGC: 8 control levels Investment Image: Left, Right, Up and Down Panoramic image Composite image: Ou, 1, 2 adjustable Focus: Up to 12, range Adjustable Focus (depending on the probe) Frequency: 5 adjustable bands Chromatic: 13 selectable types Adaptive image fusion: 15 selectable types U-Scan: 0, 2, 3, 7 and 11 adjustable	Line Density: 3 adjustable levels (High - medium-low) Persistence: 0-95 selectable Biopsy Guide Function: On / Ou Guide biopsy adjustable angle Dynamic range: 20-280 (depending on the probe) Grayscale curve 7 selectable Image width and position: adjustable Power: 1-100 adjustable, one step at Acoustic fabric: 400-1700 LGC: adjustable gain in the left / right side on and ou (linear array probe) : trapezoidal image Direction Mode B M- Tuning
Flow Mode Colour (CFM) / Mode Doppler Tissue(TDI)	Gain 0-255 Frame Rate : 2,3,4,5,7 MHz Frequency range: 5 Stages Size and position of ROI colors : Adjustable Auto Focus (number of focus : 1) Investment: up / down , left / right Reverse flow : On / Ou Frequency range: 5 stage adjustable Filtering Wall : 25-750Hz (depending on the probe) PRF : 0.5 to 12 KHz	Line density : 4 types (Low / medium / high / high -Max) Color / address energy: 10 selectable types by Color Doppler , and 4 types selectable by Doppler Tissue Color Adjustment baseline : ± 15 levels Persistence: 0-80 (depending on the probe) Rejection B: 0-255 adjustable Linear deviation angle : 0, ± 16 , ± 20 adjustable Flow Color: Available in frozen mode M -tuning
M - Mode	Orientation M: 3 sample lines, Display frame rate Video Inversion (On/Ou) Chroma: 5 types Display Format: H1/2, H1/4, V1/3, V1/2, V2/3, O1/4 Scan Speed: 6 levels adjustable M Processing: Switch between average and peak values	M Processing: Switch between average and peak values Power: 30-100 adjustable Color Modo-M: displays both color flow and M mode Inverse Video: ou and on Inversion: up and down Screen Format: H1/2,H1/4,V1/3,V1/2,V2/3,O1/4
Spectral Doppler	Pulse Wave Doppler (PWD) Continuous Wave Doppler (CWD) Sample Size PW Doppler: 1-20 mm Modifiable 1 mm Update 2D: On / Ou Invert Video: On / Ou Mode: 2B Audio Volume: 0-100 Adjustable Filter: 50-1000Hz (PW and CW) Angulo: 0-80 degree Auto real-time tracking	Vertical Shift: Available up to 17 phases Frequency: 5 phases PRF Adjustable: PW 1 to 20 KHz - CW 1-48 KHz Maximum Speed Range: PW 0.0004-40.9 m / s - CW 0.0013-49.1 m / s Scanning Speed: 2,4,6,8 Seg / Plano Power: 30-100 % Changeable Dynamic Range: 10 selectable stages Display Format: H1 / 2 , H1 / 4 , V1 / 3 , V1 / 2 , V2 / 3 , O1 / 4 Steering Angle: 5 Types (Probe Linear) Max. ± 20 Degrees, 0, ± 16 / ± 20 Modifiable.
Functions Report	Obstetrics Report / Gynecology Report Cardiac Function Vascular Report	Urology Report Small Parts Report IMT Report
Data Management System	Memory capacity hard drive : 500 GB Storage media : USB Drive	
Physical Specifications	685mm (L) x 520mm (W) x 1311mm (H) 4-identical probe connectors, 1 pencil probe connector 18.5" monitor, anti-flickering with LED backlight can be vertically or horizontally swiveled.	Weight: approx. 56kg 5 probe holders

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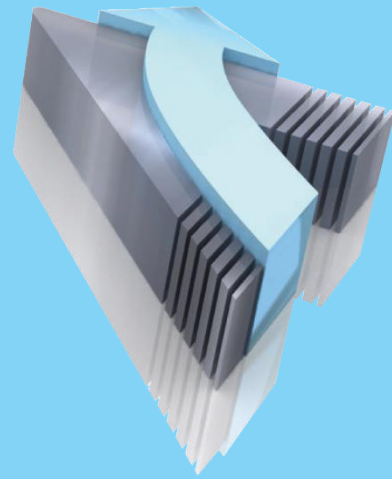
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