

購買(英文)規格書

COMMODITY DESCRIPTION

關稅分類番號 H.S. NO.	品目番號 ITEM NO.	品目 및 規格 DESCRIPTION	單位 UNIT	數量 QUANTITY
		초음파영상진단기	set	1

A. Features:

1. Powerful nSIGHT Imaging combines a proprietary massive parallel processing architecture and new precision beamforming for real-time coherent beam reconstruction. Capable of processing multiple data streams for structural, functional and 3D/4D imaging or cSound architecture.
2. Next generation ultra-low noise, wide dynamic range digital broadband acoustic beamforming with proprietary architecture or Narrowband beamforming
3. Offers up to 4,000,000 or more total digital channels.
4. Optimized for high definition 22 inch or more display

B. Specifications:

1. Applications
 - (1) Abdominal
 - (2) Vascular
 - (3) OB/GYN Imaging
 - (4) Small Parts and superficial
2. Imaging modes
 - (1) 2D grayscale imaging with advanced pulse coding, pulse shaping and frequency compounding technologies
 - (2) M mode
 - (3) Tissue Harmonic Imaging (THI) with pulse inversion technology or Coded

Harmonic Imaging

- (4) Coded beamforming
- (5) SonoCT beam-steered real-time compound imaging or CrossXBeam
- (6) Harmonic SonoCT imaging or Harmonic CrossXBeam
- (7) XRES adaptive image processing technology or SRI-HD
- (8) iSCAN intelligent or Automatic Optimization (AO)
- (9) AutoSCAN or HI support with adaptive gain compensation for real-time frame-by-frame TGC optimization or AO
- (10) Color Doppler
- (11) Color Power Angio imaging (CPA) and directional CPA or B-Flow Imaging
- (12) High-PRF pulsed wave (PW) Doppler
- (13) Color Compare mode
- (14) High definition zoom (write zoom)
- (15) Reconstructed zoom with pan (read zoom)

3. Imaging Formats

- (1) 2D linear: WideSCAN with SonoCT or CrossXBeam
- (2) 2D curved: WideSCAN with SonoCT or CrossXBeam
- (3) 2D sector
- (4) 2D trapezoid or Trapezoidal Display
- (5) Dual 2D or Dual Doppler

4. System Architecture

- (1) Powerful nSIGHT Imaging combines a proprietary massive parallel processing architecture and new precision beamforming for real-time coherent beam reconstruction. Capable of processing multiple data streams for structural, functional imaging or cSound architecture.
- (2) Next generation ultra-low noise, wide dynamic range digital broadband acoustic beamforming with proprietary or Narrowband beamforming
- (3) Powerful distributed multi-core processing architecture. Includes 1TB hard drives.

- (4) Support for transducer frequencies up to 20MHz
- (5) Optimized for high definition 22 inch or more display.
- 5. Adaptive Broadband Flow Imaging or Digital Color Flow mode
 - (1) Doppler bandwidth that automatically adjusts for optimal flow sensitivity and resolution
 - (2) Advanced dynamic motion suppression algorithms that reduce flash artifacts
- 6. Auto color and auto Doppler or Digital Color Flow mode
 - (1) Automatically adjusts PW sampler volume placement and angle
- 7. Tissue Harmonic Imaging (THI) or Coded Harmonic Imaging
 - (1) Provides second harmonic processing to reduce artifacts and improve image clarity
 - (2) Extends high performance imaging capabilities to all patient body types
- 8. Color Power Angio Imaging (CPA) or B-Flow Imaging
 - (1) Highly sensitive mode for small vessel visualization
 - (2) User-selectable blending on/off
 - (3) Trackball-controlled color region of interest: size and position
 - (4) Velocity and variance displays
- 9. Freehand 3D volume and MPR imaging or Advanced 3D Imaging
 - (1) Volume display with surface rendering
 - (2) Multiplanar view display
- 10.iSCAN intelligent optimization or Automatic Optimization
 - (1) One-touch image optimized 2D and Doppler
 - (2) Available on all imaging transducers
 - (3) Adaptive Gain Compensation (AGC)
- 11.AutoSCAN Intelligent Optimization or Automatic Optimization
 - (1) Continuous, real-time adjustment of system gain and TGC to Achieve balanced brightness of tissues
 - (2) Available from 2D touch screen controls
- 12.iOPTIMIZE Intelligent Optimization or Automatic Optimization

(1) Tissue Specific Imaging

(2) Patient Optimization

(3) Flow optimization

13.Next generation SonoCT real-time compound imaging or CrossXBeam

(1) Available on all transducer except sector

(2) Virtually all clutter and artifacts eliminated

(3) Automatic selection of the number of steering angles based on the user-selected resolution/frame rate (Res/Speed) condition

14.XRES adaptive image processing or SRI-HD

(1) Available on all transducers

(2) Eliminates virtually all speckle noise and enhances border definition

(3) Available in all imaging modes including color flow and Doppler

15.Tissue aberration correction (TAC) or Speed of sound

(1) Automatically enabled when ABD maximum penetration TSI

(2) Corrects for speed of sound disturbances due to excessive adipose layer on obese patients

(3) User selections with the for breast, superficial, thyroid and testicle TSIs

(4) Corrects for speed of sound disturbances in fatty tissue

16.Coded beamforming

(1) Automatically enabled when ABD, OB or GYN maximum penetration TSI is selected

(2) Coded excitation using new chirp transmit technology that improves penetration and recovers more tissue information for resolution at extended depth

17.PureWave crystal technology or XDclear technology

(1) Breakthrough crystal technology that allows greater acoustic efficiency and bandwidth

18.Cineloop review

- (1) Acquisition, storage in local memory and display in real-time and duplex modes of up to 500 frames of 2D and color images or up to 30 seconds of Doppler data and M-mode for retrospective review and image selection

19.Exam management features

- (1) Internal storage
- (2) Data export

20.Measurement tools and general description

- (1) 2D distance
- (2) 2D distance/area by ellipse, continuous trace, trace by points
- (3) Manual Doppler distance & trace
- (4) User-defined protocols, measurements and equations

21.High Q automatic Doppler analysis or Real-time Doppler Auto Measurements / Calculations

- (1) Automatic real-time and retrospective tracing of:
 - 1) Instantaneous peak velocity
 - 2) Instantaneous intensity weighted mean velocity
- (2) Automatic real-time display of (user selectable up to six):
 - 1) Volume flow
 - 2) Time-averaged peak / mean velocity
 - 3) Resistive index
 - 4) Pulsatility index
 - 5) Systolic/diastolic ratio Acceleration/deceleration times

22.Touch screen

- (1) 12 inch or Wider widescreen touch screen for dynamic presentation of controls
- (2) Tabbed layout and swipe capability for quick access to hidden controls

23.Clinical option analysis packages

- (1) General imaging S/W

24.Connectivity

- (1) Digital image acquisition and on-board patient exam storage
 - 1) Direct digital storage of B/W and color loops to internal hard disk drives
 - 2) Combined 1TB storage capacity
 - 3) Storage capacity of approximately 180 patient exams or more
- (2) Printing
- (3) Media storage and retrieval
 - 1) Export DICOM Image and structured report export to removable media
 - 2) Export PC Format image export to removable media
- 25.NetLink connectivity option (DICOM)
 - (1) Supported DICOM services
 - 1) Image storage
 - 2) Modality Worklist with automatic patient demographic entry
 - (2) Image and structured report export to network storage servers
 - 1) Send images after each Print/Acquire or End of Exam
 - (3) DICOM compression options
 - 1) Uncompressed (Explicit VR Little Endian, Implicit VR Little Endian)
 - (4) Other DICOM export options
 - 1) Monochrome or true color
- 26.SmartExam Protocols or SCAN Assistant
 - (1) Fully customizable protocol capability for any Clinical application supported on the system with flexibility to conduct the examination protocol in any sequence
- 27.Battery Power Pack
 - (1) Battery back-up system

C. Configurations:

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|-----------------------|------|
| 1. Basic architecture | 1set |
| 2. Imaging mode | 1set |
| 3. Touch screen | 1set |
| 4. M-mode | 1set |

5. Spectral Doppler	1set
6. Freehand 3D volume and MPR imaging or Advanced 3D Imaging	1set
7. 2D imaging	1set
8. Tissue Harmonic Imaging (THI) or Coded Harmonic Imaging	1set
9. Color Doppler	1set
10. Color Power Angio Imaging (CPA) or B-Flow Imaging	1set
11. Next generation SonoCT real-time compound imaging or CrossXBeam	1set
12. XRES adaptive image processing or SRI-HD	1set
13. iSCAN intelligent optimization or AO	1set
14. AutoSCAN intelligent optimization or AO	1set
15. iOPTIMIZE intelligent optimization or AO	1set
16. Tissue aberration correction (TAC) or Speed of sound	1set
17. Coded beamforming	1set
18. Cineloop review	1set
19. Exam management features	1set
20. PureWave crystal technology or XDclear technology	1set
21. Measurement tools and general description	1set
22. High Q automatic Doppler analysis or Real-time Doppler Auto Measurements / Calculations	1set
23. Clinical option analysis packages	1set
24. Panoramic imaging or LogiqView	1set
25. Auto color and auto Doppler or Digital Color Flow mode	1set
26. SmartExam Protocols or SCAN Assistant	1set
27. NetLink connectivity option (DICOM)	1set
28. Battery Power Pack	1set
29. C5-1 broadband curved array with PureWave crystal technology or C1-6-D	1set
30. eL18-4 broadband linear array with PureWave crystal technology or ML6-15-D	1set
31. L12-3 broadband linear array or L2-9-D	1set

32. Operation & Service Manual

each 1set

D. Remarks:

1. The equipment should be installation by contractor.
2. Three years warranty after the installation and correct operation.
3. Manufactured products must be delivered within one year based on the inspection date.
4. Products that are not scheduled to be discontinued within one year after delivery must be delivered.
5. A report must be submitted after conducting a preventive inspection in accordance with the hospital medical equipment inspection regulations within the warranty period.
6. 보증기간 제외품목: 없음