

COMMODITY DESCRIPTION

H.S. NO	ITEM NO.	DESCRIPTION	QUANTITY	UNIT
		Ultrasound imaging system	1	System

A. FEATURES :

1. This system is an imaging device that diagnoses the abnormality of the human body by using ultrasonic waves in the audible area that is harmless to the human body.
2. This system can diagnose dynamic heart shape and functional abnormality.
3. This system can provide advanced functions used for heart disease diagnosis and academic research.
4. This system support the PACS system at KYUNGPOOK NATIONAL UNIVERSITY CHILGOK HOSPITAL

B. CONSIST OF :

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|-----------------------|-------|
| 1. Main body | 1 set |
| 2. Advanced functions | 1 set |
| 3. Transducer | 1 set |
| 4. DICOM 3.0 | 1 set |
| 5. Accessories | 1 set |

C. SPECIFICATIONS :

1. Main body
 - 1) Supply power : 100-240 VAC, 50/60 Hz or equivalent
 - 2) Monitor
 - a) Size : 21" or more
 - 3) Image mode
 - a) 2D mode
 - b) Color mode
 - c) Spectrum Doppler
 - d) Advanced Dynamic Flow



e) CDI mode

f) Power Angio mode

2. Advanced functions

2-1. Advanced function A:

- | | |
|---|---|
| 1) Spatial compounding imaging function | : CrossXBeam or equivalent |
| 2) Speckle reduction imaging function | : SRI-HD or equivalent |
| 3) Ergonomic probe access and workflow optimization function | : TrueAccess or equivalent |
| 4) Contrast harmonic imaging function | : CHI or equivalent |
| 5) Automated image optimization function | : Whizz or equivalent |
| 6) Digital time gain compensation function | : Digital time gain compensation or equivalent |
| 7) Digital lateral gain compensation function | : Digital lateral gain compensation or equivalent |
| 8) Extended field-of-view (virtual convex) imaging function | : Virtual convex or equivalent |
| 9) Measurement and calculation function | : Measurement and calculation package or equivalent |
| 10) User training and guidance function | : MyTrainer or equivalent |
| 11) Customizable report template function | : Report template or equivalent |
| 12) Annotation and note management function | : Whizz note or equivalent |
| 13) Automated reporting function | : Whizz report or equivalent |
| 14) Automatic bladder volume measurement function | : Auto bladder or equivalent |
| 15) Annotation and comment insertion function | : Vice comment or equivalent |
| 16) Real-time scan coaching function | : Scan Coach or equivalent |
| 17) Intelligent scan assistance function | : Scan Assistant or equivalent |
| 18) Beam steering function | : B Steer or equivalent |
| 19) User interface customization and workflow optimization function | : Whizz Easy Style or equivalent |

2-2. Advanced function B:

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|---|------------------------------------|
| 1) Advanced image optimization function | : Advanced QuickScan or equivalent |
| 2) Automatic measurement and calculation function | : Auto Calc or equivalent |



3) User-customizable touch menu function	: Customizable Touch Menu or equivalent
4) Automatic Doppler waveform tracing function	: Doppler Auto Trace or equivalent
5) Predefined examination protocol and workflow optimization function	: EzPrep or equivalent
6) On-screen keyboard input function	: Screen Keyboard or equivalent
7) External USB storage support function	: Support for External USB Storage Devices or equivalent
8) Speckle reduction and image enhancement function	: ClearVision or equivalent
9) Spatial compounding imaging function	: MultiVision or equivalent
10) Pulse inversion harmonic imaging function	: Pulse Inversion Harmonic Imaging or equivalent
11) Shadow enhancement imaging function	: ShadowHDR or equivalent
12) Tissue harmonic imaging function	: S-Harmonic Imaging or equivalent
13) Extended field-of-view (trapezoidal) imaging function	: Trapezoidal Imaging or equivalent
14) Microvascular flow imaging function	: MV-Flow or equivalent
15) 3D-like color Doppler visualization function	: LumiFlow or equivalent

3. Transducer

1) Bi-plane transducer	: E7C8L-RS or BCL2-14 or equivalent
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4. DICOM 3.0

DICOM worklist and DICOM printer, Storage (Image send/Image receive) service, Query/Retrieve service, and Storage commitment service

5. Accessory

1) Gel warmer	1 ea
2) Operation manual	1 ea
3) Service Manual	1 ea



D. REMARKS :

1. Installation

- Supplier or contractor should be responsible for installation of this equipment.
- Supplier or contractor must provide 2-1. Advanced function A or 2-2. Advanced function B.

2. Warranty

- Supplier or contractor should be responsible for free of charge after - service whatever there is any defect or any trouble for three years after being accepted by customer.
- If contractor and supplier do not supply appropriate service manual, the period of time for warranty is six years.
- If a warranty of 3 years or less is provided for all or part of the equipment, it is separately described in section B. Consist of.

3. Etc.

- If there is a request from the user department, the supplier provides hospital computer data linkage (1-year warranty) such as EMR, PACS, and LIS free of charge, and the procedures of data link should be proceeded with the department of medical information in KYUNGPOOK NATIONAL UNIVERSITY HOSPITAL.
- The operating system required for operating the equipment should be based on Win11Pro. In case of lower versions, the supplier must report to the KNUH Information Security Team and should perform free upgrades of the operating system and operating software according to future equipment updates.

