COMMODITY DESCRIPTION

관세분류번호 H.S. NO.	등록번호 ITEM NO.	품 명 DESCRIPTION	UNIT	Q'TY
		Digital Ultrasound Imaging System	System	1

A. Features

AplioTM 400 Platinum is the top model in Toshiba's updated flagship Aplio series.
Aplio 400 provides advanced imaging technologies and clinical applications running on a state-of heart platform.
It also features an advanced version of Toshiba's unique iStyleTM concept that provides even greater user-friendliness in a wide range of clinical examinations, including Breast and Thyroid examinations

B. Specification

1. General Information

High image quality made possible by a new image engine, High-Density Beamforming

- High-speed, extremely flexible beamforming provides images with superior spatial resolution at higher temporal resolution.

Outstanding operability thanks to the iStyle+ advanced ergonomics concept

2. System

- Scan methods: Linear scan (some transducers can perform oblique scanning)

  Convex scan

- Monitor: High-definition 21.5-inch LCD monitor or more

  Resolution: 1280 × 1024

  Viewing angle: 170 degrees

  Response speed: typ. 20 ms

  Contrast ratio: typ. 800:1

  Luminance: typ. 280 cd/m2

- 10.4 inch hight resolution color touch screen or more.

3. B-mode

- Viewing depth: Maximum 40 cm
- Line density

  The line density differs depending on the transducer used. Several line densities are available for selection for each transducer.

4. Spectrum Doppler

- Doppler mode: PWD (Pulsed-Wave Doppler)

  HPRF PWD

5. Color Doppler

- Color Doppler mode
- CDI mode
  · Flow velocity
  · Flow velocity/variance
  · Power
- Power Angio mode

6. **Precision Imaging or Clearvision**
   - This kit eliminates noise components and improves the visualization of tissues
7. Trapezoid scan
8. Tissue Harmonic Imaging
9. **Differential Tissue Harmonic Imaging or Coded Harmonic Imaging**
   - Simultaneous Transmission of 2 pulses at different frequencies
   - It improves the frequency matching, beam density and focusing giving improved spatial and contrast resolution and Uniformity
10. **ApliPure Plus (Transmit Compound Imaging) or Multivision**
    - Spatial Compounding Imaging in realtime is supported

      Speckle reduction Available
11. **Advanced Dynamic Flow(ADF) or CEUS**
    - Advanced Dynamic Flow maximizes your diagnostic confidence by accurately outlining minute vascular details as demonstrated in these villi
12. **Quick Scan or Auto Optimization**
    - Quick Scan enables automatic gain and STC control for B mode as well as Velocity range and Base line shift
13. **Elastography-FLR or Elastoscan Mode**
    - Image display

      TwinView display of B-mode image and Strain image

      Display of velocity profile during data acquisition
    - Parameter for strain image calculation

      Size of the target region in which rigidity is to be evaluated
14. **Auto IMT**
    - The thickness of the intima-media complex of the carotid artery can be measured and displayed
15. **Cine memory (mass-storage image memory)**
    - Record/playback modes

      Loop playback is possible.

      Frame-advance playback is possible.

16. **Storage & Archiving**

- Hard disk drive : 500GB X 2 ea
- DVD/CD drive (CD-R/DVD+R)
- USB flash drive
- Network : DICOM

17. **DICOM Kit**

18. **Signal I/O**

- Transducer connectors : 4 or 5

19. **Operating & Service Manual**

C. Consist of :

A Type

1.	Mainframe	-1-
2.	2D-mode	-1-
3.	Spectrum Doppler	-1-
4.	Color Doppler	-1-
5.	Precision Imaging	-1-
6.	Trapezoid scan	-1-
7.	Tissue Harmonic Imaging	-1-
8.	Differencial Tissue Harmonic Imaging	-1-
9.	ApliPure Plus (Transmit Compound Imaging)	-1-
10.	Advanced Dynamic Flow(ADF)	-1-
11.	Quick Scan	-1-
12.	Elastography-FLR	-1-
13.	Auto IMT	-1-
14.	Cine memory	-1-
15.	DICOM 3.0 Capacity	-1-
16.	PVT-375BT Convex Transducer	-1-
	- Application : Abdomen	
	- Frequency : 1.9 - 6.0 MHz	
17.	PLT-1005BT Linear Transducer	-1-
	- Application : Breast & Thyroid	
	- Frequency : 7.0 - 14.0 MHz	
18.	PVT-781VTE Endo-rectal Transducer	-1-
	- Application : Prostate	
	- Frequency : 4.0 - 11.0 MHz	
19.	Operating & Service Manual	-1-

3 years warranty service should be provided after the performance test.

B Type

1.	Mainframe	-1-
2.	2D-mode	-1-
3.	Spectrum Doppler	-1-
4.	Color Doppler	-1-
5.	Trapezoidal Imaging	-1-
6.	Beam Steering	-1-
7.	Clearvision	-1-
8.	EZ exam	-1-
9.	Tissue Harmonic Imaging	-1-
10.	Coded Harmonic Imaging	-1-
11.	Multivision	-1-
12.	CEUS	-1-
13.	Auto Optimization	-1-
14.	Elastoscan Mode	-1-
15.	Auto IMT	-1-
16.	Cine Memory	-1-
17.	DICOM 3.0 Capacity	-1-
18.	CA1-7A Convex Transducer - Application : Abdomen - Frequency : 1.0 - 7.0 MHz	-1-
19.	L3-12A Linear Transducer - Application : Breast & Thyroid - Frequency : 3.0 - 12.0 MHz	-1-
20.	E3-12A Endo-rectal Transducer - Application : Prostate - Frequency : 3.0 - 12.0 MHz	-1-
21.	Operating & Service Manual 5 years warranty service should be provided after the performance test.	-1-

D. Remarks

1. The installation and test run shall be performed under the vendor;s responsibility at the end-user's site, free of charge.

위와 같이 일반 경쟁 입찰을 의뢰합니다.
PS : 입찰 후 최저가 응찰 업체를 낙찰자로 결정함.

2017. 12. 6

사용부서명 : 건강증진센터

신청인 성명 : 강 현 수 인

부서장(확인자) 성명 : 박 신 라 인

기술부서명 : 관리부 의용공학과

담당자 : 서 보 경 인