

구 매 (영 문) 규 격 서

Commodity Description

관세분류번호 HSK.NO	품목번호 Item No	품명 및 규격 Description	단위 Unit	수량 Quantity
9022.14.1090		Digital Radiographic Mobile X-ray System	system	1

A. Feature

1. Images can be validated and displayed immediately on the system's LCD monitor just three seconds after exposure without having to wait for a cassette to be read or image to be developed.
2. Cassette replacement is not required when repeating exposures or taking images from different views. Therefore the exposure time is shorter and it makes the patient less discomfort.
3. After the examination, the images can be output to an image server or a laser printer in DICOM format using the operation panel on the system.
4. The reading or IP cassette and bar codes, which is indispensable when performing radiography with CR, is not required. This makes operation simpler and ensures reliable image processing without the risk of mixing up cassettes.
5. After exposure, various types of the processing can be applied to the images on the system's LCD Monitor .Image processing makes it possible to obtain the required image information selectively.
6. A light pressure applied to the drive handle moves the system in a natural manner, allowing it to be controlled easily and effortlessly. Accurate and smooth positioning is available through a counterbalance system, allowing for easy positioning and exposing.

B. Specification

1. **Inverter type high frequency X-ray generator**
 - 1) Rating
 - Max. tube voltage: 133kV or more
 - Max. tube current: 400mA or more
 - Max. power: 32kW or more
 - 2) Adjustment of tube voltage : 40 - 133kV or more
 - 3) Setting of mAs: 0.32 - 320mAs or 0.1~320mAs

- 4) Max. frequency: 60kHz or more
- 2. Heavy duty X-ray tube unit**
 - 1) Effective focal spot size : 0.7/1.3mm or less
 - 2) Max. anode heat storage capacity : 300kHU or more
- 3 X-ray beam collimator**
 - 1) Field knob
 - Open and close the collimator leaf for suitable radiation field
 - 2) Light beam switch
 - Light the collimator lamp
- 4. X-ray tube support**
 - 1) Max. X-ray tube reach: 1290mm or more
 - 2) Max. focal height: 2,010mm or more
- 5. Main body with cart**
 - 1) Power supply
 - Type: Cordless
 - 2) Motor Drive Speed
 - Forward : Max. 5.0km/h or more
 - Backward : Max. 3.2km/h or more
 - 3) Climbing power : Max. 7 degrees or more
 - 4) Voltage/capacity : 12V, 20.000mA or 12V, 20,000mAs
- 6. DR Unit (Flat Panel Detector_Wireless 14"x17")**
 - 1) Effective field of view: 35x43cm
 - 2) Scintillator : Csl or Gos
 - 3) Effective number of pixels: 2,560x3,072or 2,544 x 3,056
 - 4) Pixel pitch: 140µm or less
 - 5) Output gradation: 14 bits or more
 - 6) Weight: 3.2 kg or less
 - 7) Resolution : 4.0lp/mm or more
- 7. DR Unit(Flat Panel Detector, 10"x12")**
 - 1) Effective field of view : 25 x 30cm
 - 2) Scintillator: Csl
 - 3) Effective number of pixels : 2,048 x 2,560 or 1,752 x 2,136
 - 4) Pixel pitch : 139µm or less
 - 5) Resolution : 4.0lp/mm or more
- 8. Lithium Polymer Battery**
 - Rated power : Output DC + 8.4V or 14.8V
- 9. Acquisition Workstation**
 - 1) Flat screen monitor
 - 2) Monitor size : 15inch or more
 - 3) Hard disk storage : 3000 image storage or more
 - 4) Post Image processing
 - 5) Multi-format printing

- 6) CPU : Windows 7 or more
- 7) Memory : 8GB or more
- 8) Hard-disk : 256GB or more

10. Networking

- 1) Dicom 3.0 Package

11. Accessories

- 1) Operator & service Manual
- 2) Non Lead Apron, Thyroid, Eyewear, Barrier

C. Consist of :

A Type		B Type	
1. Inverter type high frequency X-ray generator	1 Set	1. Digital flat panel detector	2 set
2. Heavy duty X-ray tube unit	1 Set	2. Detector battery 14.8V 2.1Ah	3 ea
3. X-ray beam collimator	1 Set	3. Detector battery 14.8V 1.2Ah	3 ea
4. X-ray tube support	1 Set	4. Wireless system	1 set
5. Main body with cart	1 Set	5. X-RAY production	1 set
6. DR Unit(Flat Panel Detector_Wireless)	1 Set	6. Batteries	1 set
7. DR Unit(Flat Panel Detector, 10"x12")	1 Set	7. X-RAY tube support	1 set
8. Lithium Polymer Battery 7.4V 4Ah	3 ea	8. Drive system	1 set
9. Lithium Polymer Battery 7.6V 3.1Ah	3 ea	9. Dose Area Product Meter	1 set
10. Battery Charger	1 Set	10. Image processing system	1 set
11. Acquisition Workstation	1 Set	-System software	
12. Networking	1 Set	DICOM storage SCU	
Software(INNOVIEW)		DICOM store commitment	
1) Image Processing(FUMA)		DICOM MWL SW	
2) Dicom 3.0 Service		DICOM Print SCU	
- Dicom IOD Generated - DX		DICOM MPPS	
- Image Auto Send/Transfer		Black surround masking SW	
- Dicom Storage - SCU		Kodak imaging processing SW	
- Dicom Storage commitment - SCP		Edge enhancement SW	
- Dicom Modality Worklist for HIS/RIS - SCU		EVP plus software	
- Dicom Grayscale Print - manual and auto		Low exposure optimization	
- Verification services SCU & SCP		Preview imaging display time : < 4 sec	
- Dicom Modality Perform Procedure Step (MPPS)		There is a notification on the console that tells the user the status of the detector & battery	
- System Access & Authorization Control to support HIPAA Compliance			
- Image output : USB port and LAN port			
13. Mobile Gride & Gride case	1 ea		
14. Dose Area Product Meter	1 set		

D. Remarks

1. Warranty Conditions

Contractor or supplier should be responsible free of charge after service during 3 years after the equipment is accepted. (X-ray tube & detector include)

위와 같이 일반 경쟁 입찰을 의뢰합니다.

PS : 입찰 후 최저가 응찰 업체를 낙찰자로 결정함.

2017. 6. 2

사용부서명 : 영상의학과

신청인 성명 : 최혜국 인

부서장 실 장 성명 : 박재민 인

과 장 성명 : 박정구 인

기술부서명 : 관리부-의용공학과

담당자 : 서 보 경

