3 DETECTOR

COMMODITY DESCRIPTION

No.	Item No.	Description	Unit	Quantity
		General Digital Radiography X-ray	System	1

A. FEATURES

1. This inverter system is high frequency and the tube voltage characteristic of low ripple very close to constant voltage type is realized, so that the X-ray output is increased substantially. Rising and falling time of X-ray tube voltage have been shortened, realizing a highly accurate, ultra short time control, thus presenting good contrast radiographs.

2. The system produces large 17"x17" images. while maintaining the extremely high resolution of 140micron. The wide view 17 inch FPD is large enough to capture sizeable areas on maximum size film. It provide distortion free.

3. The same size as a conventional 14"x17" film cassette, the 14"17" wireless detector makes it easy to use your conventional X-ray for digital radiography.

4. The focal height of the overhead x-ray tube crane can be synchronized with the bucky stand.

5. The long vertical ceiling support travel range, which is 1,600mm, provides sufficient SID for images in the supine position as well as for low position images in the standing position.

6. X-ray parameters can be easily changed using the hybrid dials. Large changes can be made using the jog/shuttle control and small changes can be made using the up/down bottons. Using both adjustment methods allows exposure parameters to be quickly set.

B. CONFIGURATIONS

A Type

1. High frequency Inverter type X-ray Generator	-1-
2. Ceiling suspended X-ray Tube Support	-1-
3. Heavy duty X-ray Tube	-2-
4. X-ray beam collimator	-1-
5. Tilting type X-ray Detector Stand	-1-
6. 6-way X-ray Radiography Table	-1-
7. Flat-panel Detector	-2-
8. Wireless Flat-Panel Detector	-1-
9. Digital Processing	-1-
10. Whole-spine kit	-1-
11. Two-Celing system or Auto-Positioning Function	-1-
12. DICOM 3.0 Full Support	-1-
13. AEC	-2-
14. DAP Meter	-1-
15. Lateral Detector Holder	-2-
16. Operation Manual	1
17. Accessories	
1)Head rest	-1-
2)Knee Position block(30°)	-1-
3)Apron	1
4) Operator & Service Manual	1

B Type

1. High frequency X-ray generato	1 set
2. X-ray tube support	1 set

3. X-ray tube unit	1 set
4. Auto collimator	1 set
5. Elevating table assembly	1 set
6. Wall Stand assembly	1 set
7. Digital flat panel detector (17x17inch)	1 set
8. Digital flat panel detector (14x17inch)	2 set
9. Image processing system	1 set
10. Autopositioning and Motorization / Synchronization	1 set
11. Dose Area Product Meter	1 set
12. Optional Accessory	1 set
1) Remote Control	
2) Head-rest	
3) Knee Position Block	
4) Detector Stand Tray	
5) Apron & Thyroid Protecter	
6) Operator & Service Manual	

C. SPECIFICATIONS

1. Inverter type high frequency X-ray Generator

1) Power	: 80KW
2) High frequency Inverter Type	
3) Short time rating	: 150KV 500mA 125KV 630mA 100KV 800mA 80KV 1000mA
4) Setting range radiography	
- Tube Voltgage	: 40 - 150KV
- Tube current	: 10 - 1000mA
- mAs	: 0.5 - 800mAs or more
5) Automatic collimation	
6) Auto Exposure Control System	

2. Ceiling suspended X-ray Tube Support

1) Ceiling suspended column for X-ray tube assembly	
2) Preferred ceiling height	: 270cm or more
3) Longitudinal travel	: 353cm or more
4) Transverse travel	: 140cm or more
5) Vertical travel	: 160cm or more

3. Heavy duty X-ray Tube

1) Focal spot size	: 0.6/1.2mm
2) Anode heat storage capacity	: 300KHU more

4. X-ray Beam Collimator

1) Max. field at SID 100cm	: 523 X 523mm more
2) Min. field at SID 100cm	: 0 X 0mm
3) Average Lux	: 160Lux more
4) Auto collimator function	

5. Tilting type X-ray Detector Stand

1) Heigh rate (Center field)	: 380 - 1900mm or 320 - 1800mm
2) Tilting angle of bucky device	: -20° to 90°
3) Auto tracking	
4) Overhead hand support	

6. 6-way X-ray Radiography Table

1) Size of tabletop	: 810 X 2,350mm or more
2) 6 way movement & floating movement	
3) Foot switch or table side auto control	

7. Flat-Panel Detector

1) Type : Indirect conversion type (A-si / CSI type)
2) Detector size : 17"x17" (43 x 43cm)
3) Resolution : 3.6Lp/mm more
4) Pixel pitch : 140micron less : 140micron less
5) Number of pixels : 3032 X 3032 More : 3,032 X 3,032 More
6) Molding type : 1piece

8. Wireless Flat-Panel Detector
1) Type : Indirect conversion type (A-si / CSI type)
2) Detector size : 14" X 17"
4) Pixel pitch : 140micron less
4) Number of pixels : 2,560 X 3,072 pixels or 2,520 X 3,032 pixels
5) Resolution : 4.0Lp/mm more : 3.6Lp/mm more
6) Detector weight : 3.17kg less

9. Digital processing
1) Image processing PC
- CPU Dual Core or more
- Memory : 1GB or more
- OS : Windows 10
- Capacity of Hard disk : 250GB More

2) Display
- Display Monitor :22" LCD monitor or more
3) Image processing
- Final image processing
- Rotation, flip
- Edge enhancement
- Histogram display
- ROI adjustment
- Annotation& Measurement
- All Image should be displayed one workstation with monitor

10. Whole-spine kit
1) Auto moving detector stand and tube support
2) Auto stitching

11. Two-Celing system or Auto-Positioning Function

12. DICOM 3.0 Full Support

13. AEC

14. DAP Meter

15. Lateral Detector Holder

16. Operation Manual

17. Accessories
1)Head rest
2)Knee Position block(30°)
3)Apron

D. Remarks ;

1. Installation
- Supplier or contractor should be responsible for installation of this equipment.

2. Operation test
-This equipment shall be accepted by customer only after the equipment operates properly.

3. Warranty conditions

- Supplier or contractor should be responsible for free of charge after service whatever there is any defect or any trouble for 3 years after being accepted by customer.

4. 영상의학과 리모델링 공사는 사전에 병원 및 사용부서와 합의한 규격(시방서)에 의거하여 공급자(계약자)가 진행하도록 하며, 영상의학과 접수, 대기실, 일반촬영실**1,2,** 투시촬영실, 조정실**3**개소, 탈의실, 화장실, 처치실, 세척실 공사를 포함한다.

5. 촬영실 차폐공사는 방사선방어검사 규격에 부합하도록 하며, 연유리 공사를 포함한다.

6. 인테리어 공사는 사용부서와 협의하여 진행하도록 한다.

위와 같이 일반 경쟁 입찰을 의뢰합니다.

PS : 입찰 후 최저가 응찰 업체를 낙찰자로 결정함.

2020. 9. 28

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부서장(확인자) 성명 : 강희 [illegible]

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