

# Veterinary DR System

## V-ray 32

### Product Specification

Ver 1.0



## 1. Configuration

No.	Component Description	Quantity
1	X-ray High voltage generator	1
2	X-Ray tube (Toshiba EX7242)	1
3	Collimator	1
4	Tube bracket structure	1
5	Flat panel detector	1
6	Digital image workstation	1
7	Image acquisition software	1
8	The fixed table parameters	1
9	Others	1

## 2. Specifications

Item	Specification
<b>1.X- ray High voltage generator</b>	
1.1	standard output power: 32kW
1.2	mA range: 10-400mA
1.3	Tube voltage range: 40-150kV
1.4	mAs range : 0.1-100mAs
1.5	Load time range: 0.001s ~ 6.3s
1.6	High voltage transformer structure: The power frequency
1.7	High voltage frequency: 50kHz $\pm$ 5%
<b>2.X-ray tube (Toshiba EX7242)</b>	
2.1	Focus range: 0.6/1.5mm
2.2	Anode type: rotating anode, rotation speed: 2700 rpm
2.3	The maximum voltage: 125kV
2.4	Anode angle 14°
2.5	Anode heat capacity: 200kHU
2.7	Anode input power: big focus 47kW, small focus 16.5kW
2.8	The inherent filtration: 0.9mm Al/75kV
<b>3. Collimator</b>	
3.1	The inherent filtration: 1.2 mm Al /75 kV;

3.2	Collimator is equipped with LED lights (Bright 30S are automatically extinguished)
3.3	Collimator is built into measuring ruler
<b>4. The tube bracket structure</b>	
4.1	Ball tube focus to table distance 820 mm
4.2	Ball tube focus to ground distance 1645 mm
4.3	Longitudinal movement of table surface 130 mm;
4.4	Horizontal movement of table surface 100 mm;
4.5	Tube Tilting Angle:±180°
4.6	The Collimator of the limiting device : 220 ~ 2000mm
<b>5. Flat panel detector</b>	
5.1	FPD type: A-Si/CsI
5.2	Detector valid exposure size: 434×434mm
5.3	Pixel Pitch: 2816 x 2816
5.4	Pixel size: 154μm
5.5	The effective camera size of the detector: 17×17inch
5.6	Spatial resolution: 3.25lp/mm
5.7	A/D convert: 16bit
5.8	Time of exposure: 2~3 seconds
5.9	DQE: 65% @0lp/mm

5.10	Weight: 3.9kg
5.11	Size: 460mm x 460mm x 15mm
<b>6. Digital image workstation</b>	
6.1	Processor: Intel Core 3 and above
6.2	Memory capacity: 4GB
6.3	Hard drive capacity : 500 GB
6.4	Resolution: 1280 x 1024
6.5	Display size: The 17-inch color touch screen
6.6	Operating system: Microsoft Windows 7 or above
<b>7. Image acquisition software</b>	
7.1	Patient registration: acquisition, find the patient data, to prepare for the photography
7.2	Images display, image analysis, processing and output
7.3	Data management: managing patient data, leading in, leading out, batch file, etc. in accordance with DICOM3.0
7.4	System diagnosis: monitoring system status, diagnosis of the system fault
<b>8. The fixed table parameters</b>	
8.1	Table size (L x W x H): 1400 mm x 700 mm x 780mm
8.2	The machine doesn't weigh more than 100kg

<b>9. Others</b>	
9.1	1 set of complete operation and maintenance manual
9.2	Online service support