

Technical specification of DR system

Flat panel detector

WIFI connection, Amorphous Silicon, whole panel technology	
Effective imaging area	: 17" x 14"
Scintillator	: CsI
Pixel Array	: 2304 x 2800
Pixel pitch	: 150 um
Spatial resolution	: 3.4 lp/mm
A/D conversion	: 16 bit
Weight	: 3.3 kg
Operating Temperature	: 5 - 35 °C
Storage temperature	: -20 - 55°C
Operating Humidity	: 10 - 90
Storage Humidity	: 5 - 95
Power Supply	: 100-240V AC
Frequency	: 50/60 Hz

Laptop

CPU frequency	: CORE i3
Hard drive capacity	: 500 GB
Memory capacity	: 4GB
64 bit Windows operation system	

Software

Patient registration: acquisition, find the patient data, prepare for the x-ray exposure
X-ray examination: setting system parameters, exposure and get the image
Images display, image analysis, processing and output
Data management: managing patient data, leading in, leading out , batch file, etc in accordance with DICOM 3.0
Configure calibration: the system components such as flat-panel detector, such as tube for automatic configuration and calibration
System diagnosis: monitoring system status, diagnosis of the system fault
Image Printing: Image output to film printer