JPI Healthcare
Improving Quality of Life

40TH
Since 1980

X-ray Grids

Radiography System

Detector

examvue Software

Computed Radiography

X-ray Accessories

Gastroenterology

The New *Generation*
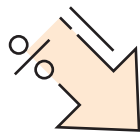
CsI DIRECT DEPOSITION
LOW-DOSE IMAGING

FULL-FIELD
F²AED™

Clear Vision **REF** series
1500CWe & 1800CWe

Clear Vision REF series X-ray flat panel detectors incorporate the proven technology of amorphous silicon. The amorphous silicon photodiode array and TFT underneath convert invisible X-ray photons into visible photons, and then into electric charges.

The electron signals are measured and amplified in the data line, and then converted to digital signals by the Analog/Digital converter. Finally, the digital signals are transmitted to a PC for processing to from an image. High DQE, high spatial resolution, extraordinary dynamic range and ultra-low noise are hallmarks of our Clear Vision REF series. Each Clear Vision REF detector is submitted for FDA and CE approval.
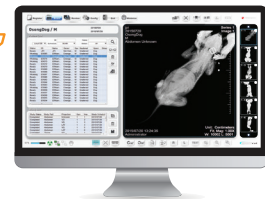
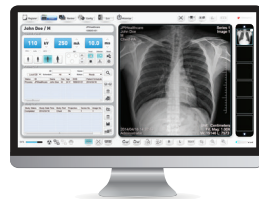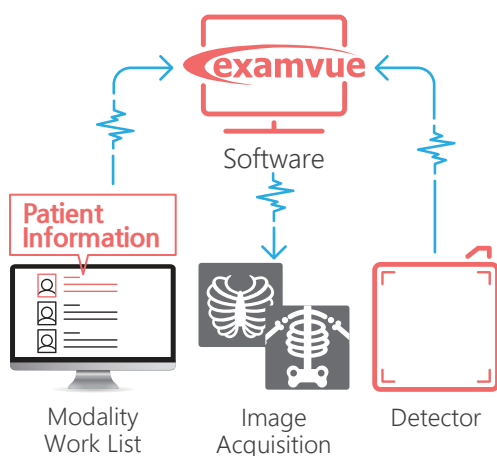**Pixel Pitch** | **Efficiency** | **Spatial Resolution**

Clear Vision REF series - 1500CWe & 1800CWe

Specifications	1500CWe	◀ ● ▶	1800CWe
Sensor			
Scintillator	Direct Deposit CsI		
Active Area	430 x 356 mm	◀ ● ▶	430 x 430 mm
Pixel Array	3072 x 2560 pixels	◀ ● ▶	3072 x 3072 pixels
Pixel pitch	140 µm		
Image Quality			
Limiting Resolution	3.57 lp/mm		
MTF	63% (@ 1.0 lp/mm), 35% (@ 2.0 lp/mm), 17% (@ 3.0 lp/mm)		
DQE	(@ RQA5, 27µGy) 62% (@ 0.0 lp/mm), 50% (@ 0.5 lp/mm), 45% (@ 1.0 lp/mm)		
A/D Conversion	16 bits		
Communication			
Communication Interface	Gigabit Ethernet, WiFi (2.4G/5GHz)		
Image Acquisition Time	2-4 sec		
Exposure control	F²AED, Manual Sync, Software Sync		
AP	Optinal		
Mechanical			
Dimension	460 x 384 x 15 mm	◀ ● ▶	460 x 460 x 15 mm
Weight	3.7 kg	◀ ● ▶	4.6 kg
Power			
Maximum Power	Max. 36VA	◀ ● ▶	Max. 48VA
Power Supply	100-240V AC		
Frequency	50 / 60 Hz		
Battery Performance	Up to 1,400 shots and 5 hours in ready mode		

Digital Upgrade Solution

examvue
Software

Patient Information

Modality Work List

Image Acquisition

Detector

ExamVue DR Software

Integration of various flat panel detector by different manufactures

Modality Work List Generator provided as bundle

Multiple language support

Fast and professional image processing for each individual examination

Faster Image Acquisition using the preview function

JPI Healthcare Co., Ltd.

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REF JSA-06-56[Rev.00]