

# The New Generation



Since 1980



X-ray Grids



Radiography System



Detector



Software



Computed Radiography



X-ray Accessories



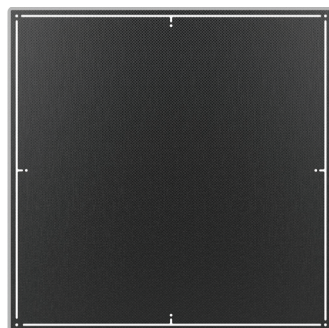
Gastroenterology



## Clear Vision REF series 1800Le

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 form 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.



### Applications

- Medical and Veterinary
- Excellent for highly detailed extremity imaging

### Special Features

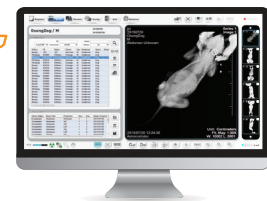
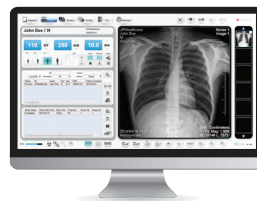
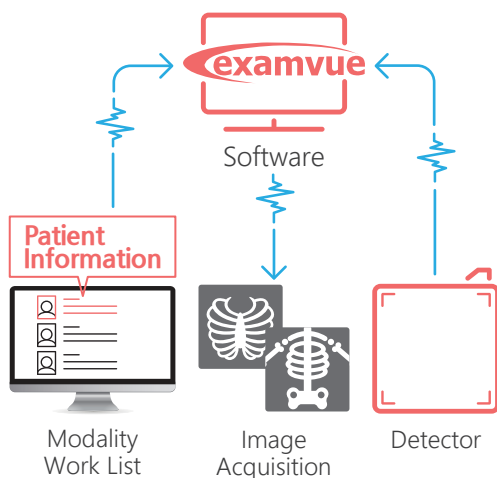
- Full-field AED for broad system compatibility
- Direct-Deposit CsI for better DQE and MTF
- Durable carbon fiber and aluminum alloy housing

## Specifications

Sensor	
Scintillator	Direct Deposit CsI:TI
Active Area	430 x 430 mm
Pixel Array	3072 x 3072
Pixel pitch	140 $\mu$ m
Image Quality	
Spatial Resolution	3.57 lp/mm
MTF	70% (@ 1 lp/mm), 40% (@ 2 lp/mm), 22% (@ 3 lp/mm)
DQE	60% (@ 0 lp/mm), 15% (@ 3 lp/mm), 9% (@ 3.5 lp/mm)
A/D Conversion	16 bits
Communication	
Communication Interface	Gigabit Ethernet, WiFi (2.4G/5GHz)
Image Acquisition Time	2-4 sec
Exposure Control	F <sup>2</sup> AED, Manual Sync, External Sync
Mechanical	
Dimension	460 x 460 x 15 mm
Weight	3.96 kg
Power	
Power Supply	100-250V AC
Frequency	50 / 60 Hz
Power Dissipation	22 W operating, <8 W in standby mode

## Digital Upgrade Solution

### 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

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