



**DDR MAK-800VET**  
**DIRECT DIGITAL RADIOGRAPHY**  
**CONVERSION SYSTEM**

**FEATURES:**

- *DETECTING AREA 17" x 17" FULL IMAGING FIELD*
- *FULLY IMAGE ACQUIRED IN LESS THAN 5 SECONDS*
- *HIGHER SPATIAL & CONTRAST RESOLUTION THAN CONVENTIONAL RADIOLOGY OR CR*
- *HIGH RESOLUTION MEDICALGRAY SCALE DUAL MONITORS (OPTIONAL)*
- *DICOM COMPATIBLE*

**DDR MAK-800VET**

**Selenium Flat Panel Detector:**

This 17"x 17" panel contains 6.7 million pixels. Each pixel is 160 micron, providing high quality diagnostic images in less than ten (10) seconds.

Imaging Area	422 mm x 406 mm
Number of Pixels	6.7M ( 2640 x 2540 )
Pixel Size	160 x 160 microns
Nyquist Frequency	3.1 lp/mm
Sensor	Direct Conversion , Amorphous Selenium-based
MTF @ RQA5	70% @ 1 lp/mm, 33% @ 2 lp/mm , 8% @ 3 lp/mm
Exposure Factor	Equivalent to 200 Speed Screen- film
Dynamic Range	14 bit ADC , 12 bit exported
Image readout time	< 2 seconds
Final Image ( after processing )	~ 10 seconds
Cycle Time ( Successive images )	< 20 seconds

#### Bucky & Grid:

- Bucky with grid .

#### Work Station:

- Intel Core 2 due work station with 19 inch Screen.
- Microsoft Windows XP Professional SP2.
- CD/DVD Archiving.
- Power Input: 100/240 V AC, 50/60 Hz.



#### Processing Software:

- Expands image processing for optimized viewing.
- Enhances variable density and form shading.