

D.R. VET

Digital Radiography System



A new quality standard in efficient DR
Digital Imaging, designed as an
alternative to conventional film-based
radiology while overcoming the most
dominant of all barriers...

“Price”

ECONOMICAL

D.R. VET digital x-ray detector with a high performance acquisition workstation for rapid acquisition, storage and distribution of DICOM Compliant Images.

D.R. VET digital x-ray detector provides an economical option for the budget-minded veterinarians wanting to convert from film based conventional radiography to a digital integration solution.

D.R. VET digital x-ray detector produces an efficient conversion of x-ray data using our unique scintillator to CCD 16 bit digital signal processing approach. This technology allows you to maximize the image with a dynamic range of 65,00 shades of grey, the largest dynamic range in the industry, for better diagnostics.

RETRO-FIT TO YOUR EXISTING X-RAY MACHINE

Adding **D.R.VET digital x-ray detector** to your x-ray machine is the most cost effective method of stepping into the digital age; there is no longer a need to purchase a new x-ray machine.



AND SIMPLE

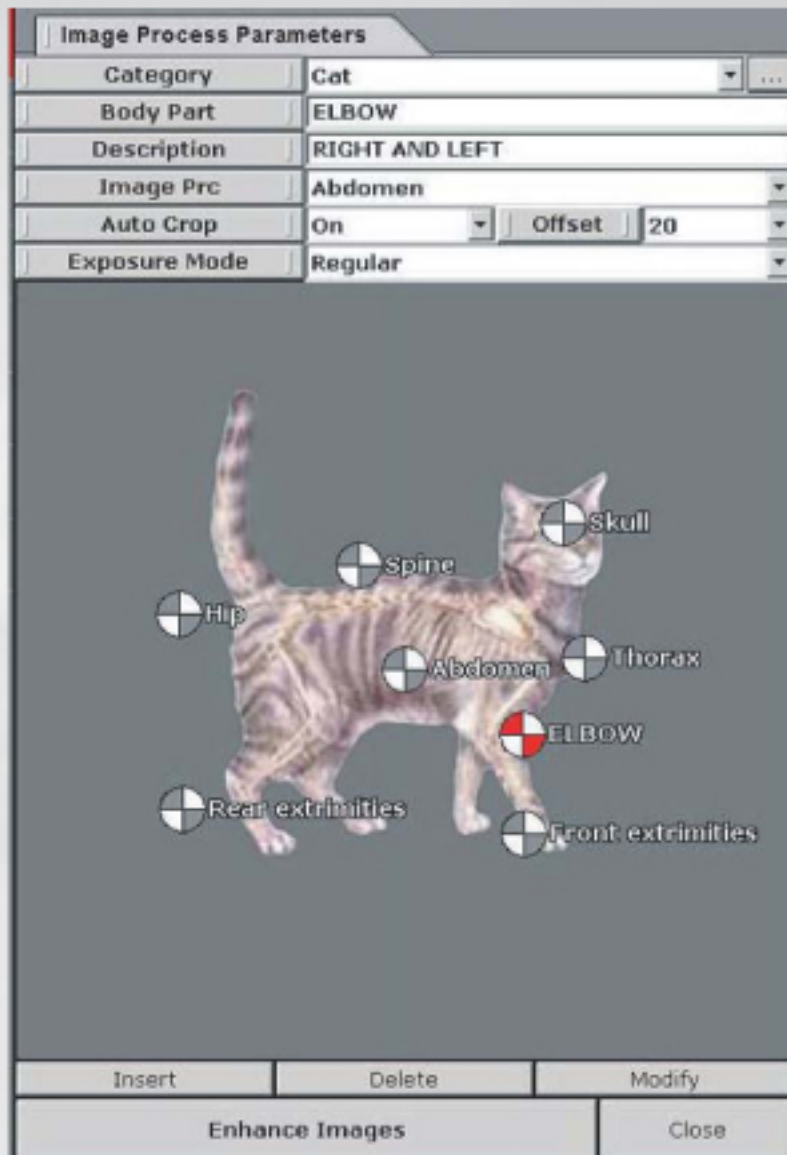


Image process parameters are selectable to maximize the preset algorithms for the very best and adapted diagnostic image quality

Complete software functions featuring image contrast, enhance, dynamic zoom, magnification, rotation, mirror, text annotations, distance and angle measurements, archive, patient list, CD/DVD burn functions.

The image streaming tool panel contains various icons that provide access to functions used to analyze and annotate the image presented in the main viewing area.



EFFICIENT

What Are the Advantages of Digital Radiography?

- Increased throughput, images in 6 seconds
- No retakes, no film, no cassettes, no chemistry, no processor or processor maintenance, no film duplication, no dark room.
- Better Quality Images
- Digital Storage and Transmission of Images
- Network Compatibility
- View Both Skeleton and Soft Tissue with One Exposure

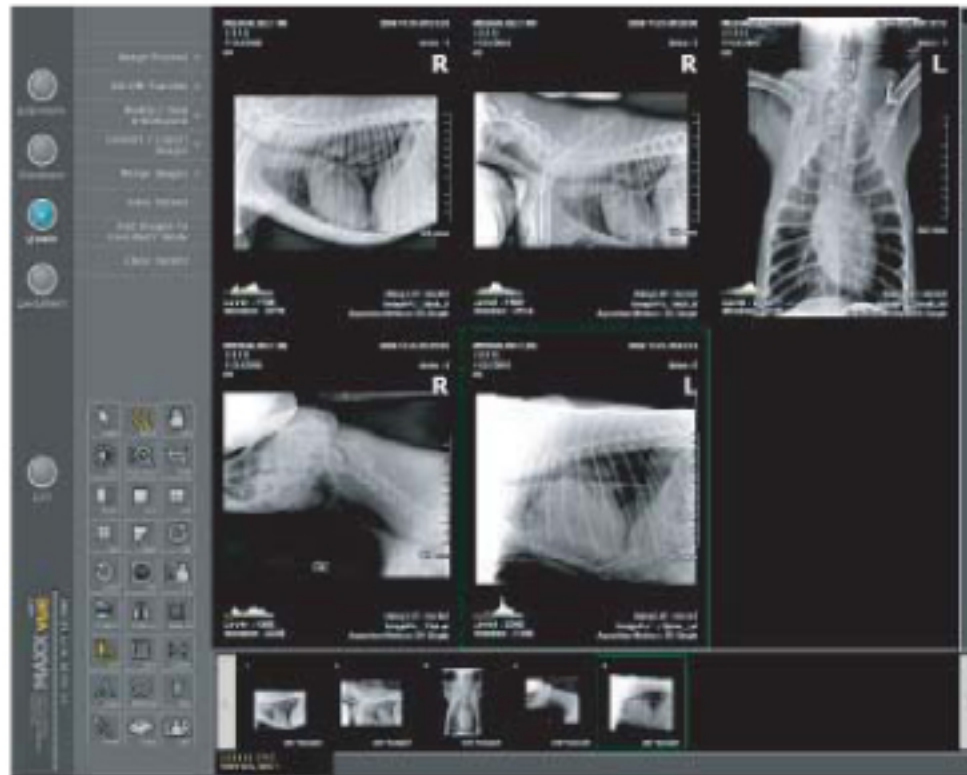


- Use Shorter Exposure Time to Minimize Motion Artifacts
- Distance and Angle Measurement
- Annotations, Magnification, Zoom, Inversion
- Burn Images with Dicom viewer to CD or DVD for distribution to client/owners, colleagues or radiologists.
- Print Images to share Via the Internet
- CCD-DDR Detector never wears out or grows dim.

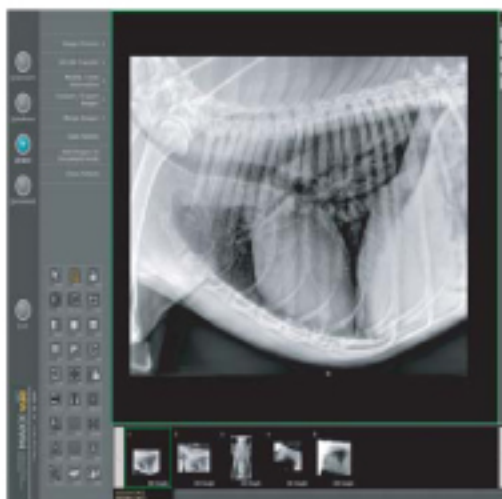


D.R. VET Digital X-ray Detector with High Performance Acquisition Workstation

ESTABLISHED



Advantages of CCD-DDR Detector:



- True 16 bit digital integration processing
- Large 14x17 detector fields
- Single projection lens with optical folding technology protects electronics from direct exposure to x-ray emissions.
- No interface required to high frequency generator
- No bad pixel clusters
- Camera shielding assures no damage from x-ray
- No ghosting effect
- One image
- Definite Cost Advantage

High Performance and Industry Compliant

Technical Specifications

Active Image Size	14" x 17" (35cm x 43cm)
Element Matrix Pixel	2048 x 3072
Number of Pixels	6 million pixels
Pixel Pitch	173 microns
Spatial Frequency (Visual Light Test)	3.0 lp/mm
Bit Depth	16 bit acquisition
Gray Scales	65,536 (Shades of Gray)
Interface	RS-232C
Acquisition Cycle Time	Less than 6 seconds
Size	22.8"W x 20.6"H x 20.9"D
Optical System	Projection Lens with Optical Path Folding Technology
Operating Temperature	50F-86F
Operating Humidity	10%-70% non-condensing
Power Requirements	110/240 volts, 50/60 Hz, 150 W
Weight	78 lbs

Computer Specifications

*Premium Dell Computer	Pentium 4 class processor 160GB HD 1GB RAM Windows 2000 Professional Service Pack 4 or later MATROX Video Capture Card CD / DVD R/RW+- Drive
*Monitor	20" UltraBright Color Flat Screen Monitor
*3 Year On Sight Service included	24 hours a day, 7 days a week

