

medlink
IMAGING

DIRECT DIGITAL X-RAY SYSTEM



MEDLINK IMAGING's

Merlin D-Rad

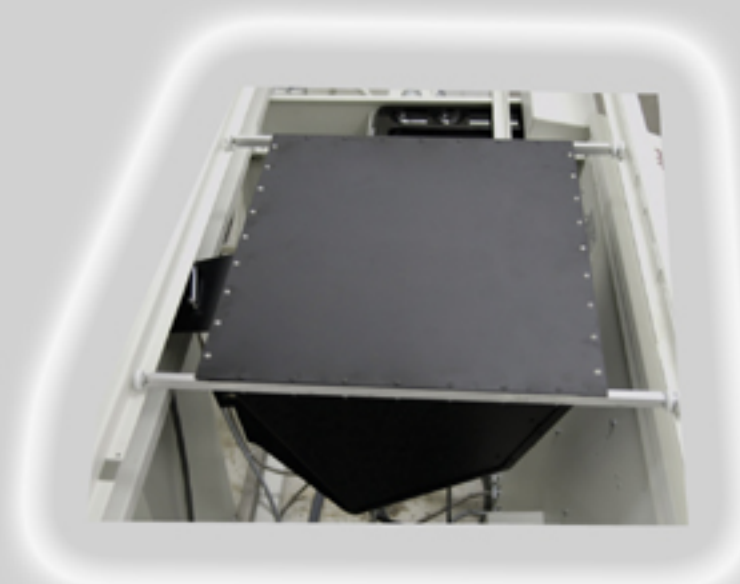
**RETRO FIT
SYSTEM**

By:  **RemoteVet**

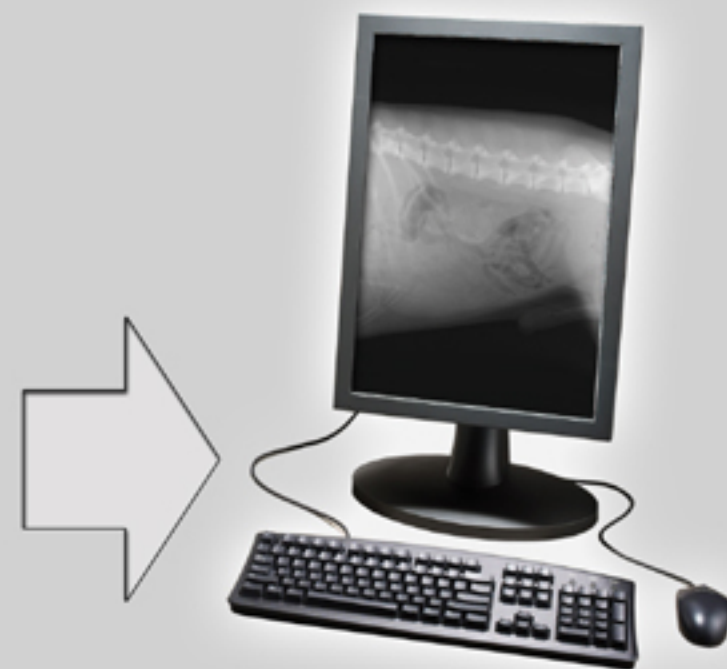
*This system can RETRO FIT to most
veterinary x-ray tables*



**KEEP YOUR EXISTING
X-RAY SYSTEM**



**ADD THE
REMOTEVET SYSTEM**



**YOU ARE NOW
DIGITAL**

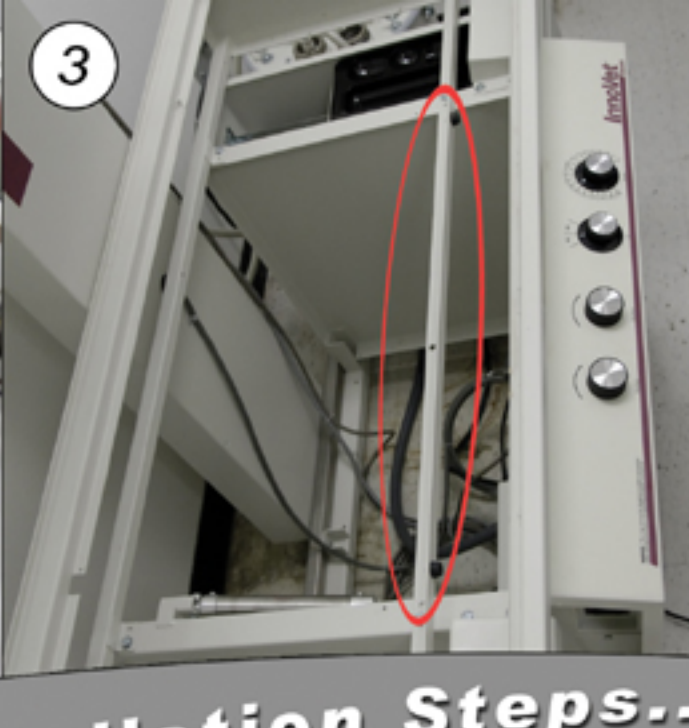
1



2



3



4



Installation Steps....

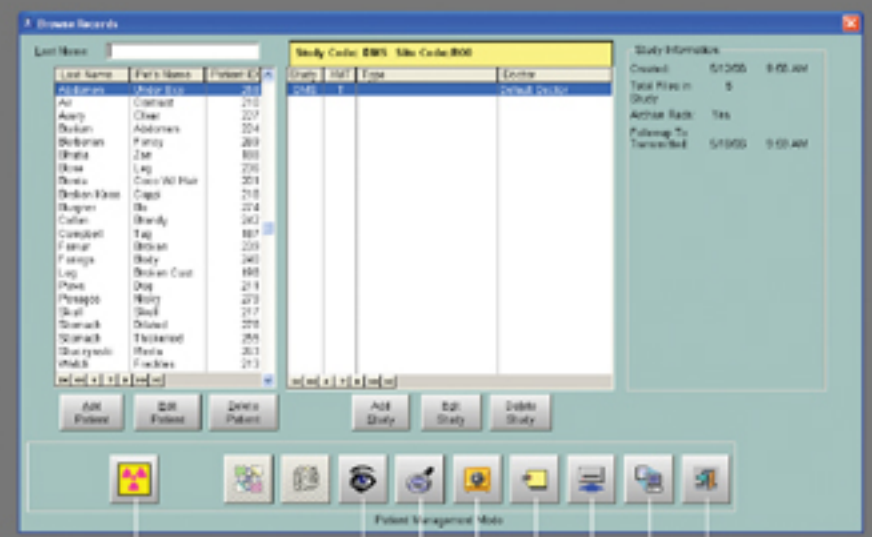
Retro-Fit System

Bringing one of veterinary medicine's most reliable diagnostic tools into the digital age, RemoteVet's Digital X-Ray offers powerful benefits on multiple levels, including savings in time, money and space. Remote Vet's Digital X-rays are recorded and maintained in digital format, and can be transmitted electronically over any distance, offering immediacy when a consultation with a specialist is recommended. The digital format also allows the veterinarian to enlarge or diminish any section of the x-ray as needed. Of course, images can also be stored indefinitely for future review.

With a far smaller overall footprint than traditional film-based x-ray technology, RemoteVet's Digital X-ray eliminates the need for storage of film and chemicals. Immediate viewability allows you to instantly see whether the x-ray is of diagnostic quality or if another image must be taken. This immediacy also greatly reduces stress for your pet and for you, by eliminating the need for multiple trips to and from the kennel for retakes. Moreover, this imaging tool was designed to use similar techniques as conventional x-ray systems, thus not increasing exposure to the pet or you professional staff.

RemoteVet's imaging and telemedicine technologies have been at the forefront of veterinary digital imaging for two decades. RemoteVet's revolutionary digital x-ray technology can be retrofitted to work with nearly every x-ray table manufactured, eliminating a substantial replacement cost.

Ask us
about our
Demo
Software



(1) (2) (3) (4) (5) (6) (7) (8)

1. X-ray acquisition mode.
2. View images for the highlighted study.
3. Thumbnails of selected study.
4. Mark or unmark this study for archive.
5. Tag all images in the highlighted study to transmit for consultation.
6. Upload tagged study.
7. Connect to the server to review account information.
8. Exit the program.

Questions & Answers

Q. Will the use of a digital x-ray system require higher doses of radiation to get images of the same quality as I get from my current system?

A. No. Our digital x-ray system was designed to use similar techniques as conventional x-ray systems, thus not over exposing the pet or the professional staff using the system. Additionally, with the ability to reprocess and optimize images for select areas, you may be able to reduce total exposure through fewer retakes. (The RemoteVet technique chart, included in the Users Manual can be referenced for specific details on exposures.)

Q. I have heard that many digital x-ray systems are designed with the vital electronics in the beam path of the X-Ray and that this can impact the life of the system. Is RemoteVet's system built this way?

A. No. We have taken special care to design the system with the electronics out of the direct path of the X-Ray beam. In fact, we have taken over 30,000 images on a single system without any degradation of the images and without any system failures.

Q. Do I have to replace my current x-ray system?

A. No. Our digital x-ray technology can be retrofitted to work with nearly every x-ray table manufactured and does not require integration into the x-ray generator to produce the digital image. What it does eliminate is the need for an x-ray film processor, film chemicals and the storage area for the traditional x-rays.

Q. How much time will be required to retrain my staff to use digital radiography?

A. Basically no time is required as we are utilizing the existing system that your team is already familiar with. All you have to do is follow the digital x-ray technique chart and properly position the pet. The software will even recommend proper KVP and MAS settings, to simplify the process. There will be some time required to learn the software for image manipulation, but we have designed it to be very user-friendly by using icons and familiar buttons to aid in the simplicity of use.

Q. Will the RemoteVet system allow me to send x-rays to a specialist?

A. With our system the images are stored electronically, making transmission to a specialist via e-mail or CD simple and immediate. In addition, we offer you the option of storing your images on a hard drive at your hospital or remotely.

Q. Will the storage comply with my local state board requirements?

A. Yes

Q. Once I've taken the x-rays, how do I show the image to a client?

A. Our system can be easily linked to a monitor in one or multiple exam rooms within your hospital.

Q. I understand that DICOM is quickly becoming the standard for digital technology, and that some systems are not DICOM compliant, and/or compatible. Is the RemoteVet system compliant?

A. The RV system is both DICOM compliant, and DICOM compatible. In addition, our system can save in many other formats as needed.

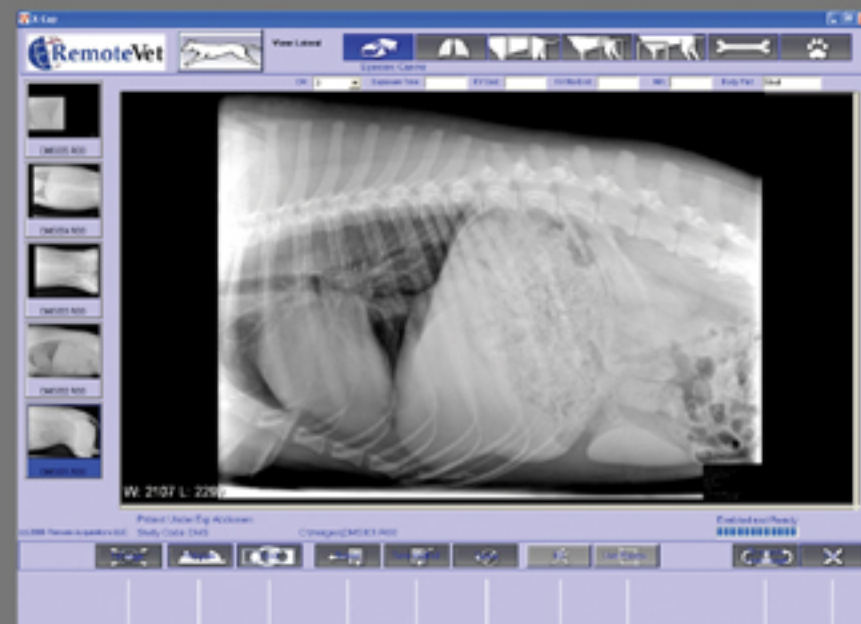
Ask us
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Software

Patient Software....



Aquisition Software....

1. Full image view.
2. Histogram chart.
3. Invert image black/white settings.
4. Restore image to default.
5. Save modified image.
6. Delete selected image.
7. Send image back through the reprocessing chain.
8. Crop area of interest.
9. Reprocess image.
10. Close screen.



(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

Features & Specifications :

- Designed specifically for veterinary use
- Retrofits to most x-ray table systems
- Generally takes between 2 - 4 hours to install
- View images in approximately 7-10 seconds
- Patent pending system that requires no electrical connection to your systems generator
- High quality image resolution (6.32 million pixels: 2044 x 3096) (final image 4096 shades of gray)
- 9 micron pixel pitch
- This System does not require cooling fans

User Friendly/Anatomical Selection Software:

- DICOM compliant images
- Easy image enhancing and reprocessing capability
- Automated telemedicine case processing
- Easy case integration to ultrasound and other digital images
- Image manipulation software
 - Magnification up to 10X
 - Window leveling
 - Image rotation and manipulation
 - On-screen measurements
 - Post acquisition annotation
 - Alter image for bone vs soft tissue in a single exposure after image capture
 - Make duplicate images
- Integrated Telemedicine Package
- PACs
 - Ultrasound and radiographs stored for easy access
 - Multiple image processing files allows you to customize image appearance

CSA Certification # 234619

Workstation :

- Intel Pentium 4 (3.6 GHz)
- 2 gigabyte ddr ram
- Intel chip set motherboard with sound and LAN
- Windows XP
- ATI /1600 Graphics adapter / Nvidia GeForce 6600 graphics adapter
- 250 Gigabyte 7200rpm SATA hard Drive
- 52X CD-RW
- 350w power supply
- USB 2.0
- 19" flat panel monitor (medical grade monitor optional)

Advantages of going digital with the RemoteVet Merlin D-Rad System :



- Eliminates the need for x-ray film
- No more repeat films - eliminating unnecessary radiation to the patient and the technician



- No darkroom required



- No need for a film processor



- No chemistry required



- View x-rays remotely from any location



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LINKING TECHNOLOGY TO THE
IMAGING PROFESSIONAL

Medlink Imaging, LLC.
295 North Street
Teterboro NJ 07608

800-456-7800
www.medlinkimaging.com

www.medlinkimaging.com