

**InnoVet™**  
**DXR**



The Professional's  
Choice for  
Digital Imaging

**InnoVet™**

# The Benefits of Digital Imaging

Digital imaging systems provide advanced features and tangible benefits that exemplify the superiority of digital technology. Your transition to digital technology provides immediate value by demonstrating the commitment of your practice to provide the highest level of care.

## Superior image quality and enhancement options

The ability to manipulate the digital data exemplifies the superiority of digital imaging over film-based systems.

The advanced digital environment allows an operator to...

- Enlarge the image
- Alter the contrast
- Alter the brightness
- Invert the image ( from negative to positive)
- Make exact measurements and add annotations to regions of interest
- Save the file in a near limitless number of variations
- Share images for consultations

... all with a click of a mouse. Interpreting the image is also easier because the digital medium allows you to adjust aspects of the image that can cloud the view. Film is not capable of such manipulation.

## Exceeding Expectations

The DXR meets the challenges of increased exam volumes, stringent operating budgets and staffing shortages – all without the use of film, cassettes or expensive imaging plates.

This system allows you to examine more patients each day, up to three times more than a conventional film-based or CR (Computed Radiography) system.

## User-friendly Software

The DXR software is easy to use and supports the DICOM standards including modality worklist, print management and send. Advanced image processing functions include: tissue equalization, sharpening, contrast enhancement, markers and many more.



## Improved patient care

The first and most important advantage of digital technology is the elevated quality of care. The imaging range of the digital receptor allows discovery of problems like hairline fractures that are unnoticeable with conventional film-based systems. In other words, you have in your hands a much better diagnostic tool that provides immediate and precise diagnosis. At the same time, the reduction in re-takes reduces stress for your patients.

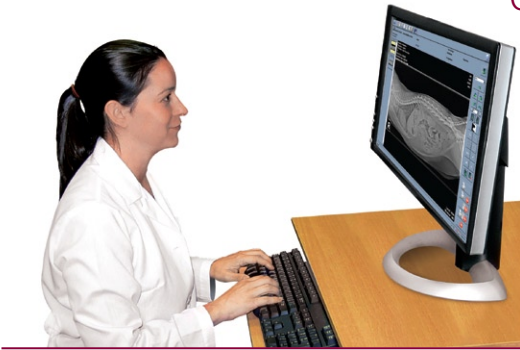
## Elimination of film

Digital imaging directly eliminates the use of film, but more importantly, eliminates the need of darkrooms and storage space, the processing and disposal of chemicals, time-consuming film duplication, and the retakes due to poor image quality. It also makes filing and file retrieval much more efficient.

# The Benefits of the DXR System

The InnoVet DXR system is a result of a technical collaboration between Summit Industries, the manufacturer of InnoVet, and Imaging Dynamics Corporation the manufacturer of the patented digital receptor.

By combining Summit's experience with its 6,000 installed radiographic systems and Imaging Dynamic's more than 10 years experience in human medical digital imaging, we were able to create a complete x-ray system that provides veterinary medicine one of the highest resolution digital radiographic images available.



## Superior Technology

### Immediate information

The InnoVet DXR utilizes a patented, single CCD digital receptor that enables viewing of high resolution DR (Direct Radiography) images in less than 10 seconds from exposure. This major advantage improves patient care and productivity. After making an exposure, you may view the image on a nearby monitor and decide if a retake is needed, without moving the patient. Patient positioning and handling is minimized.

The InnoVet DXR allows you to examine more patients each day, up to three times more than a conventional film-based or CR system.

### Incomparable image quality

The 17" x 17" (43 cm x 43 cm) image area is the industry's largest and provides for easy patient positioning. More than 9 million pixels digitized at 14 bits per pixel produces over 16,000 shades of gray. This excellent dynamic range allows discovery of pathology you might not see with other systems.

Pixel size is also important since the smaller the pixel, the finer the resolution. The InnoVet DXR has 144 micron pixels while popular flat panel DR systems have 200 micron pixels.

Optimal image quality is achieved through the pre-programmed x-ray techniques that have been proven through years of testing in veterinary practices.

### Low dose

Maximum efficiency and lower radiation dose is ensured by the InnoVet DXR's high Detective Quantum Efficiency (DQE is an industry measure of digital image quality).

## Customize To Your Needs

Standard features and benefits of the DXR system include:

- A full-size table top for easy patient positioning.
- 300 mA/125 kVp High Frequency generator with anatomically programmed console.
- A retractable grid for lower attenuation and sharper images when examining small anatomy.
- Angulation of the x-ray tube (up to 35 degrees) for exams that require oblique angles.

By selecting from over 15 options, you may tailor the system to meet your specific radiographic needs and at the same time avoid paying for unwanted features.

Examples of popular InnoVet DXR options include:

- For extraordinary high resolution images, an upgrade of the 9 megapixel receptor to the 16 megapixel receptor.
- An upgrade of the 30 kW generator to an even more powerful 40 kW.
- An upgrade of the 300 mA high frequency generator to an even more powerful 500 mA.
  - A 2-way or 4-way float top table.
  - The "no-hands" collimator light system.
  - Additional viewing stations for exam rooms.

Whichever options you may choose, you are sure to find them to be valuable, easy to use additions to your InnoVet DXR.

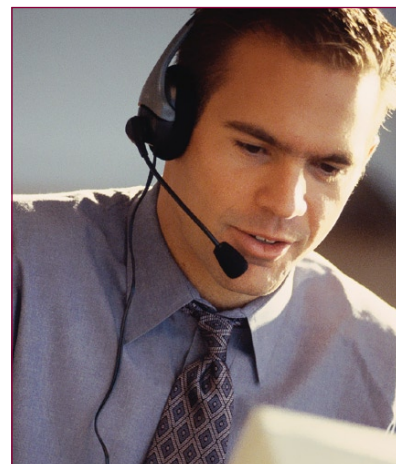


## Experienced Dealer Support is Standard

With any digital system there are still many factors that effect the final image. The superiority of the digital technology alone won't compensate for poorly maintained equipment, operator error or faulty technique. A competent InnoVet expert is recommended.

Our authorized InnoVet dealers have the experience to ensure that each DXR system will be installed and maintained to the highest factory standards. Each dealer is factory-trained to keep your system running like new, with little or no downtime.

Using your high-speed internet connection, InnoVet dealers may provide support to your system and also access factory support. No other manufacturer can claim the same high-quality product and skilled local service. Your satisfaction is our highest priority.



### Features and options of the InnoVet DXR

#### Digital Receptor

High quality image resolution:	
3k x 3k, 9 megapixel array, 3.2 LP/mm	✓
4k x 4k, 16 megapixel array, 4.6 LP/mm	Option
Large 17" x 17" image field ( 43 cm x 43 cm)	✓
2 megapixel, 20" flat panel monitor	✓
Medical grade monitors	Option
User-friendly acquisition and viewing software	✓
Software for additional viewing stations	Option

#### Generator

30 kW High Frequency, 300 mA, 125 kV	✓
Additional 500 mA capability	Option
40 kW High Frequency, 500 mA, 125 kV	Option
Automatic generator "shut-off" circuit	✓
Anatomical programming- veterinary specific	✓

#### Table

Stationary table top	✓
4-way Float Table Top	Option
2-way Float Table Top	Option
Table top fluid trough	Option
Animal restraining device	✓
Exposure foot treadle with latching prep circuit	Option
Wall Mounted hand operated exposure switch	Option

#### Collimator

Swivel mount	✓
"No-hands" collimator light control system	Option

## Built-in Quality Protects Your Investment

From our professional engineering design through the rigorous manufacturing process, adherence to the highest quality assurance measures guarantees that every InnoVet DXR will provide years of trouble-free operation. Summit's ISO 9001 certification recognizes our commitment to quality.

And as a testimonial to our commitment to quality, Summit proudly backs every InnoVet DXR with:

- ✓ Industry best warranty on the digital receptor
- ✓ 7-year parts warranty on the x-ray system
- ✓ 7-year pro-rated warranty on the x-ray tube

For additional security, ask about optional extended warranties.

## Not Ready for Digital Right Now?

Consider our unique 2 step digital program:

- Step 1: Purchase our InnoVet DXR-2S ... an InnoVet DXR system without the digital imaging components, and configured for use with x-ray film.
- Step 2: Then, when you are ready, add only the digital components at a special price for InnoVet owners.



#QEC15774  
ISO 9001:2000 Certified



# InnoVet™

Over 6,000 Owners

### Your Partners in Radiography

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