



DIAGNOSTIC IMAGING SYSTEMS, INC.

2325 E. St. Charles Street-Rapid City, SD 57703 \\\ 1-800-346-9729 \\\ 605-341-2433

DR VETERINARY DIGITAL RADIOLOGY EQUIPMENT COMPARISON

To help simplify your new DR system purchase I have assembled an easy to read and understand DR system features comparison work sheet. Every DR system contains nine major equipment components categories. This DR system features comparison work sheet breaks down the nine major component areas for your comparison with other DR systems.

To use this comparison read the component feature in each of the nine major categories to the DR system sales representative or obtain from their DR system brochure. Write down the answers here and on the following pages for your review.

The DR system's nine major component areas plus one outstanding special feature are broken down for easy comparison with the full featured DR Navigator 3500 plus system.

COMPONENT COMPARISON

<u>COMPONENT SPECIFICATIONS</u>	<u>DR NAVIGATOR 3500 PLUS SYSTEM</u>	<u>DR SYSTEM FOR COMPARISON</u>
1). X-ray Generator	HF 40 kW with auto exposure	_____
2). X-ray tube	fine detail focusfilament	_____
3). Table, Tube stand	4 way top, movable base	_____
4). Anatomical Software	FDA certified with dental arcades	_____
5). DR Imager	12 Mega pixel, 16 bit, 65,000	_____
6). Computers	Dell 3 years on site warranty	_____
7). LCD Monitor	24" high contrast, touch screen option	_____
8). Warranty	5 years imager, hot swappable	_____
9). Vet Service experience	25 Years, with on line trouble service	_____
10). Special feature	Life time of toll free technical support	_____

Please call me with any questions at 1-800-346-9729 or my cell 1-605-390-5127

Best regards

Joe Hecker, President
Diagnostic Imaging Systems, Inc.

"DIS has raised the standard of veterinary care by their ongoing commitment to advancing the science of veterinary radiology. No modern practice can ignore the advantages of the Stationary DR Navigator 3500 Plus Digital radiology system. The systems intergraded blue tooth dental intra oral sensor introduced by them is a must have when performing dental procedures. Because it's a dental blue tooth sensor you can use the dental sensor in any location where x-ray is available" *This is a combination of DVM comments we hear on a regular basis.*



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DR VETERINARY DIGITAL RADIOLOGY EQUIPMENT COMPONENT COMPARISON

COMPONENT COMPARISON

1). The X-Ray Generator

- A. **Generator system High Frequency output KW rating**
 a. **DR Navigator 3500 Plus generator produces 500 mA high frequency output 40 KW**
Benefit: exposure times are 25% shorter compared to 30KW generator system
 40KW produces sharper x-ray images because patient respiratory motion is reduced by 25%
 40 KW systems requires 25% less exposure time, so radiation dose to personnel is reduced
 b. Comparison system is 20 KW or 30 KW _____ KW _____ High Frequency Yes ___ No ___
- B. **Generator and the imaging software connects to the internet**
 a. **DR Navigator 3500 Plus generator and DR Navigator software connects to the internet.**
Benefit: easy system software updating, system troubleshooting, maintenance and repair.
 b. Yes ___ No ___ Comparison system _____ online trouble shooting capability for maintenance and repair
- C. **Generator Automatic Calibration Feature**
 a. **DR Navigator generator has Automatic Calibration Feature**
Benefit: calibration performed at no time at no cost to yourself.
 b. Comparison system calibration is manual or can it be performed in Automatic Cal mode.
 Automatic _____ Manual _____
- D. **Generator compatible with and does operate CT scanners in medical facilities**
 a. **DR Navigator 3500 Plus generator is compatible with and does operate CT scanners in medical facilities**
Benefit: as a result of our systems integrity and high quality
 Comparison system are the very latest, dependable, trouble free generator technology, require 100 times the x-ray
 generator exposure life cycle compared to non CT x-ray generator technology, they necessitate the use of the
 most reliable technology which will produce less down time.
 b. Comparison system generator is _____ or is not _____ compatible with nor can it operate a CT scanner

2). The X-Ray Tube

- A. **X-Ray Tube Orthopedic fine detail fractional focal spot**
 a. **DR Navigator 3500 plus system incorporates a fractional focal spot size .6-1.2mm size x-ray tube**
Benefit: produces a finer detailed image compared to the standard broad focus x-ray tubes
 b. Comparison system x-ray tube is a fine detail tube Yes ___ No ___ Broad focus 1-2 mm x-ray tube

3). Stationary X-Ray table tube stand

A. Floor to x-ray table top distance

a. **DR Navigator 3500 Plus system floor to x-ray table top distance is at 28" verses others at 34"**

Benefit: large small animals require less effort by Technician to place on table top and easier on larger animals to reach table top.

d. Comparison system table top height in inches _____

B. Floor to X-ray tube focal spot distance

a. **DR Navigator 3500 Plus Floor to X-ray tube focal spot distance is 20% less than others**

Benefit: when the tube is closer to the floor it produces lesser amounts of scatter radiation with x-ray room

c. Comparison system floor to x-ray tube distance in inches _____

C. Horizontal travel of tube stand and DR imager and tube angulations'

a. **This function is available on our DR Navigator 3500 system if desired but we have never had requests**

b. Why have the tube stand travel and the DR imager move when _____ moves, more to go wrong?

D. Table top lock release bar along entire front edge of table base

a. **DR Navigator 3500 Plus system has two out of the way lock release foot switches mounted on table base at head end and the other at the foot end of table**

Benefit: two out of the way lock release foot switches on table base head and foot end allows two techs to operate table top while positioning patient. Lock release bar along entire front edge of table base is very inconvenient when attending to patient and yanking foot step to close to table and the lock releases unexpectedly sending the patient on its way.

c. Comparison system lock release along _____ of table base Yes _____ No _____

E. Exposure and prep switches

a. **DR Navigator 3500 Plus system provides two exposure prep switches table base mounted.**

Benefit: allowing two techs to have exposure capability when positioning and exposing patients. The two exposure switches are on table base and moved around on floor if desired.

b. Comparison system has a one _____ two _____ expose switches

F. Table top lock release noise

a. **DR Navigator 3500 Plus table top lock release function is quite**

Benefit: produces little noise when the animal on the table top which does not excite the animal

b. Comparison system has _____ producing lock under the animal on the table top which excites the animal and makes it move to position, Yes _____ No _____

G. _____ table base with _____ assembled integral tube stand

a. **DR Navigator 3500 Plus system table base is movable with leveling pads and the tube stand is pre-assembled**

Benefit: _____ provides for easy setup, makes it easy move to clean under and around the table, less difficult to relocate to another room or facility.

b. Comparison system table base is stationary yes _____ No _____ tube stand telescoping set-up Yes _____ No _____

4). DR System Software

A. Full featured DR software

a. **DR Navigator 3500 Plus system DICOM software is one of the most respected full featured DR software sold multi-national with for Vet and human version applications**

Benefit: Software designed for Vet and human application is a measure of the software quality and features

b. Comparison system software is sold for human use Yes _____ No _____

- B. **Software FDA approved and can it connect to the internet for customer support**
a. DR Navigator 3500 Plus software is FDA approved Hipax has sold over 8,000 all over the world to Vet and human medical facilities and can connect to the internet for customer support
Benefit: software has to pass rigorous FDA standardized testing in order to be FDA approved
 b. Comparison system software FDA approved yes ____ No ____
 c. Comparison system software has sold _____ versions of its software
 d. Comparison system software connects to internet for service Yes ____ No ____
- C. **Software will operate as a server in a mini packs system Environment**
a. DR Navigator 3500 Plus system can operate as a server in a mini packs system Environment
Benefit: networks to patient data management software, onsite large capacity storage capacity for image modalities such as ultrasound and will connect to work stations for use in your facility, directly to ER examination rooms, etc.
 b. Comparison system software can ____ cannot ____ operate as a server in a mini packs system Environment, software can ____ cannot ____ operate and accept image input from other modalities in a mini packs system Environment
- D. **Software with integrated Dental application**
a. DR Navigator 3500 Plus system software incorporates dental application for direct dental sensor image input and arcade array image storage,
Benefit: dental images are produced and stored in the same DR Navigator software as all your other x-rays are produced, provides a special slot in the patient file for the dental images to be stored in an array just like dedicated dental software provides
 b. Comparison system has a user selectable feature which ____ without ____ intra oral Dental capabilities, direct dental sensor image input ____ arcade array image ____ species dental anatomical pre and post processing filters ____ etc. _____
- E. **Anatomical image processing enhancement filters**
a. DR Navigator 3500 Plus software provides species, region and size based anatomical pre and post processing filters including
Benefit: DR Navigator software provides species and anatomical software pre and post processing filters including dental for species, region and size based image enhancement before and or after image is displayed.
 b. Comparison system software provides species, region and size dedicated anatomical pre and post processing filters including ____ No ____
- F. **Auto exposure control**
a. DR Navigator 3500 Plus system software provides species, region and size based anatomical software including dental image into generator auto exposure dose control.
Benefit: Produce correct and consistent exposure dose with generator automatic exposure control x-ray output for all animals including dental.
 b. Comparison system software provides species dedicated Generator anatomy exposure control including auto exposure control Yes ____ No ____
- G. **Software technical support**
a. DR Navigator 3500 Plus system software and all our hardware is provided with a lifetime of toll free technical support.
Benefit: lifetime toll free technical support on software and hardware means you will never pay for a phone support.
 b. Comparison system software is provided with a lifetime of toll free technical support Yes ____ No ____
 Hardware is provided with a lifetime of toll free technical support Yes ____ No ____.
- H. **I have yet to find a valuable feature in other software that DR Navigator software does not offer.**
Benefit: there is a wide array of usable DR Navigator software features the other systems can't offer.

5). DR System Imager

A. DR System Image size

a. DR **Navigator 3500 plus system is a 14 x17 system,**

Benefit: the 14"x 17" Viewing area produces a 15% greater image area than a 12 inch x 17 inch image area.

b. Comparison system image viewing area is 12" x 17" _____ or 14" x 17" _____ image viewing area

B. Image Bit depth and shades of gray

a. DR **Navigator 3500 Plus imager system produces a 16 bit depth with 65,000 shades of gray.**

Benefit: the highest bit depth currently available is 16 bit depth which produces 65,000 shades of gray. The greater the bit depth the greater the gray scales of contrast and latitude the image will be producing.

b. Comparison system has a bit depth of _____ with _____ thousand shades of gray contrast.

C. Imager Warranty

a. DR **Navigator 3500 Plus imager warranty is 5 years with a pro active overnight hot-swap warranty.**

Benefit: warranty is 2.5 times longer at 5 years with a pro active overnight hot-swap warranty than some others. Our system is so well designed it has a 5 year warranty and on site emergency service. If complete we will have a new imager over night to you if needed with easy to screws structure.

b. Comparison system has a _____ year pro active overnight hot swap warranty. Yes _____ No _____

D. Imager cabinet construction

a. DR **Navigator 3500 plus system Features a fan free, powder coated all steel cabinet construction**

Benefit: a sealed and powder coated metal cabinet prevents dust and moisture from entering the interior of cabinet. Preventing moisture and dust from contaminating the image acquisition optics. This prevents having to clean the inside of the image acquisition optics preventing loss of image quality over time.

b. Comparison system Image uses a fan free, powder coated all steel cabinet construction. Yes _____ No _____

E. Dental sensor # 2 option is integrated into the system and software.

a. DR **Navigator 3500 Plus system features a Blue tooth dental CCD #2 option intergraded into the system and software. The Dental sensor is added at any time with no service hookup fee..**

Benefit: The blue tooth dental sensor can be used in surgery or any room where x-ray is available. The image is then sent wirelessly to server and displayed on any and or all workstation.

b. Comparison system features a blue tooth dental CCD #2 option which is intergraded into the stationary system computer service software. Yes _____ No _____

6). Computer system

A. Computer system server

a. DR **Navigator 3500 Plus system uses a Dell computer and is one of the highest rated computer server**

available. Our computer system is a dell, one of the highest rated computer systems available.

b. Comparison system uses a less favorable rated computer system than Dell Yes _____ No _____

B. Computer warranty

a. DR **Navigator 3500 Plus system computer warranty is provided by Dell and is one of the best warranties available.**

Benefit: computer warranty is from Dell with on site warranty for a full 3 years of coverage with a zero deductible

a. Comparison system computer warranty is a standard one year bring into Best Buy type warranty

Yes _____ No _____ Type Warranty _____

C. **Wireless key board with track ball**

a. **DR Navigator 3500 Plus computer system includes a wireless key board with track ball**

Benefit: convenient no wire use anywhere in room where server or work stations are located.

b. Comparison System offers a wireless key board option Yes ___ No ___

7). Computer LCD Monitor

A. **Computer LCD Monitor size and dynamic contrast ratio**

a. **DR Navigator 3500 Plus system LCD monitor is a 22" or 24" with a 20,000:1 dynamic contrast ratio**

Benefit: the larger screen provides easy viewing and the higher contrast ratio provides greater image detail.

b. Comparison system has a ___" LCD monitor with _____:1 contrast ratio

B. **Computer LCD monitor in a 22" or 24" with a 20,000:1 dynamic contrast ratio**

a. **DR Navigator 3500 Plus system offers a 22" touch screen monitor option**

Benefit: when preferred it is available at no additional cost

b. Comparison system has a ___ Inch LCD touch screen monitor Yes ___ No ___ added cost ___

8). Complete System warranty

A). **Imager replacement warranty**

a. **DR Navigator 3500 Plus system 5 years on the imager hot swap replacement warranty**

b. Comparison system imager ___ year replacement

B). **Computer Warranty**

a. **DR Navigator 3500 Plus system Plus 3 years on the computer from Dell on site zero deductible warranty**

b. Comparison system has brand ___ with a ___ year warranty with on site yes ___ No ___

c). **X-ray generator table tube stand and software system Warranty**

a. **DR Navigator 3500 Plus system 3 years on the X-ray generator table x-ray tube warranty**

b. Comparison system ___ year warranty on the service provider _____

D. **Software Warranty**

a. **DR3500 Navigator 3500 Plus system software provides a 5 year warranty with a lifetime of toll free technical support**

b. Comparison system software ___ year warranty with ___ years of toll free technical support

9). Specializing in Veterinary radiology equipment Sales and Service support

A. **More than 26 years Company specializing in Veterinary radiology equipment Sales and Service support**

a. **Diagnostic Imaging Systems - 26 years has specialized in Veterinary radiology equipment Sales and Service.**

Companies that specialize can make the right equipment choice for your practice type and are the most knowledgeable of providing specialized service based on your practice needs.

b. Comparison company, specialize in Veterinary Radiology Yes ___ No ___

c. Comparison company ___ years of Veterinary radiology service experience

10). Special Feature

A. **Toll free technical support**

a. **DR Navigator 3500 Plus system includes with the purchase a Lifetime of toll free technical support on the software, and on the hardware, including the x-ray system**

b. Comparison company, Lifetime of toll free technical support on software, Yes ___ No ___

Lifetime of toll free technical support on the hardware including x-ray system Yes ___ No ___