DRE Digital 200

12 Megapixel Digital Navigator

High performance at an affordable price

The DR 200 uses a very stable detector compared with CR and flat panel detectors and provides high quality images for all diagnostic purposes. The wide dynamic range of the detector allows the user to adjust the brightness and contrast of the image effectively, so consequently much more diagnostic information can be obtained from the image.

Complementary metal oxide semiconductor technology

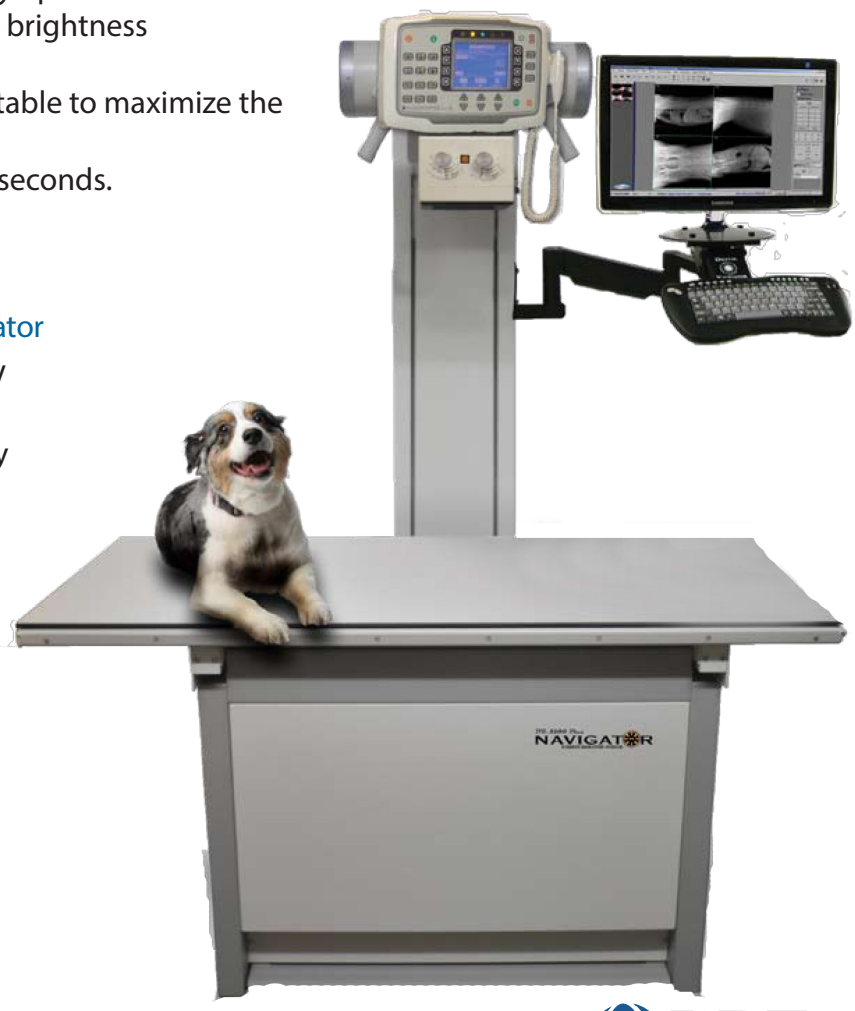
- Specially dedicated optics for high spatial resolution.
- Excellent dynamic range with 16-bit digitization.
- High throughput radiography examination.
- Very stable operation and long term life.

DR Navigator software

- Comprehensive image processing by optimal tissue equalization, image sharpening and brightness adjustment.
- Image process parameters are selectable to maximize the preset algorithms.
- Full size image display within 10-20 seconds.
- DICOM 3.0 standard.
- Preview function.

Superior High-Frequency X-Ray Generator

- Superior performance: Accuracy - kV < ±(1%+1kV), mA < ±(3%+1mA), time, < ±(1%+0.5ms) Reproducibility (Coefficient of Variation): kV<0.002, time<0.002, mAs<0.005. Linearity (Coefficient of Linearity): CL<0.01
- Real-time monitoring self diagnosis and error code display.
- Tube anode HU display & protection, overload & housing overheat protection.
- Self calibration function.



1-800-477-2006 | 502-244-4444 | www.dreveterinary.com

1800 Williamson Court • Louisville, Kentucky 40223 USA

DRE VETERINARY

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12 Megapixel Digital Navigator

Features:

- Elimination of film processing
- No odors or hazardous waste materials
- Faster, image display
- Decrease of patient x-ray retakes in some cases
- Image manipulation for and enhanced diagnosis (zoom, contrast, tilt, color, special filters, archiving, etc..)
- Less expensive to operate (eliminate chemicals, film and processor)
- Less time consuming, little maintenance, no processor cleaning
- Better reliability-consistent & repetitive high quality images
- Less patient stress, increased image diagnostic information & manipulation with less patient movement
- Capable of transmitting images via e-mail
- Archival, long-term storage and retrieval capabilities
- Approximately 20,000 images are stored in the computer for easy accessibility & transfer
- A comprehensive toolkit permits physicians to adjust image gray scale window/level, ensuring confidence in their assessments
- Transmits DR images using the DICOM format and protocol to any DICOM based PACS

System Includes:

- DR Digital Imaging Unit
- Work Station Computer
- Anatomical Techniques
- Full Featured Imaging Software
- Canon High resolution printer
- HF X-ray Generator
- 5 year limited warranty
- Float top Table
- 500mA /125 kVp / 40kW
- Dental CCD Sensor optional
- Fine focus x-ray tube
- Float top table, Vertical & Angulation Tube

Specifications:

X-Ray Generator

kW Rating.....40kW

kVp Range.....40 to 125 kVp, 1kV step

Time Range.....0.001 to 10 sec.

mA Range.....10 to 500mA

HV Cable.....8 meters

kVp Accuracy.....<±(1% + 1kV)

mAs Accuracy.....<±(3% + 0.01 mAs)

Generator Mounter.....Provided

Line Normal Phase..... 240V AC, 1Ø, 60Hz @ 70 Amps

X-Ray Tube Assembly

Model / Maker.....Toshiba

Target Angle.....16 Degrees

Focal Spot Size.....6 / 1.2 mm

Max. Tube Voltage.....125kV

Max. Anode HU.....140 kHU (100kJ)

X-Ray Collimator

Control.....Manual, 30 sec. timer

Field Shape.....Rectangular

Max. Field Size.....>43 x 43 cm / 100 cm SID

Max. kV Shield.....150 kV

Lamp.....Quartz Halogen 160 Lux

Digital Image Receptor

Active Matrix Size.....14" x 17" (35 x 43 cm)

Image Matrix.....12 Megapixels

Image Resolution.....Exceeds FDA's Human Radiology Resolution Standard

Acquisition Time.....10 - 20 Seconds

Dynamic Range.....16-bit Grayscale, 65,000 Shades of Gray

File Format.....DICOM

Tube Stand & Float Top Table

SID .....Variable 12" - 40"

Grid .....200 lpi (ratio 10:1)

Table Top Size.....30" x 64"

Tabletop Movement.....4 - way

Tabletop Stroke (longitudinal).....12" (±5")

Tabletop Stroke (lateral).....8" (±4")

Dimension.....32"(H) x 42"(W) x 40"(D)

Weight.....80kg (176 lb)

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