

### Complete digital radiographic imaging system that produces quality radiographic images of small and large patients.

The DRE Digital 200 X-Ray Flat Panel Package is one of the most compact, self-contained, high detail digital imaging systems available. The package includes the DRE Digital 200 X-Ray Flat Panel, a workstation server computer and a portable x-ray unit.

The DRE Digital 200 X-Ray Flat Panel is a durable silicon panel with automatic x-ray exposure detection. The panel's unique Gadox screen technology captures digital images within seconds, eliminating the need for x-ray film, phosphorescent plates or cassettes.

The high-powered Dell workstation server computer is available as a laptop or desktop model. Both options have a 4th Generation Intel® Core™ i5-4200U processor and come loaded with Windows 7.

The portable x-ray unit, available in 12040HF or 9030HF configurations, is a lightweight, easy-to-operate unit that provides operators with ultra high frequencies in the field. Complete with memory settings for quick, efficient use.

The DRE Digital 200 is easy to use and it provides accuracy and flexibility to help veterinarians get a clear picture every time. With a custom engineered system and a high-quality smart flat panel detector, the Digital 200 can produce lightning fast, high-resolution, DICOM images at a fraction of the cost of other digital systems.

#### Features:

- Large storage capacity saves up to 50,000 images for easy accessibility
- Archival, long-term storage and retrieval capabilities.
- Comprehensive toolkit allows users to adjust grayscale window/level
- Transmits images using DICOM format to any DICOM-based archiving system
- Faster, almost immediate real time image display
- Better reliability — consistent and repetitive high quality images
- Image manipulation for and enhanced diagnosis: zoom, contrast, tilt, color, special filters, archiving, etc.
- Less patient stress, increased image diagnostic information & manipulation with less patient movement
- Less expensive to operate than older model x-ray units
- No odors or hazardous waste materials
- Elimination of film processing



## Components:

- DRE Digital 200 X-Ray Flat Panel
- Work station server computer (choose laptop or desktop)
- Ultra Portable X-ray Unit (12040HF or 9030HF)
- Full featured imaging software
- Interface cabling

## Specifications:

- Detecting Area: 14" (35.56 cm) x 17" (43.18 cm)
- Overall Dimensions: 15" (38.1 cm) x 18" (45.7 cm) x 0.6" (1.5 cm)
- Pixel Active Area: 5200 x 2800
- Pixel Pitch: 150µm
- Pixel Matrix: 2304 x 2800
- Total Pixels: 6.7 million
- X-ray Converter: Gadax
- A/D/ Convert: 14 bits
- Voltage: AC 100 ~ 240V 10% (50/60Hz)
- Operation Environment: 5 - 35°C | 20 - 75% relative humidity
- DICOM Store: Interface to DICOM storage servers
- Weight: 8.6 lbs. (3.8 kg)

## Laptop Computer (optional):

- CPU: 4th Generation Intel® Core™ i5-4200U processor (3M Cache, up to 2.6 GHz)
- RAM: 6GB Dual Channel DDR3L 1600MHz (4GBx1 + 2GBx1)
- Video: Intel® HD Graphics 4400
- Storage: 750GB 5400RPM SATA Hard Drive
- Security: Trend Micro Worry-Free Security Services
- Monitor: 15" or 17.3 inch LED Backlit Display with Truelife and HD+ resolution (1600 x 900)
- OS: Windows 7
- Network: Broadcom NetXtreme Ethernet
- CD: Tray load DVD Drive (Reads and Writes to DVD/CD)

## Desktop Computer (optional):

- CPU: 4th Generation Intel® Core™ i5-4200U processor (3M Cache, up to 2.6 GHz)
- RAM: 6GB Dual Channel DDR3L 1600MHz (4GBx1 + 2GBx1)
- Video: Intel® HD Graphics 4400
- Storage: 750GB 5400RPM SATA Hard Drive
- Security: Trend Micro Worry-Free Security Services
- Monitor: 20" LED Backlit Display with Truelife and HD+ resolution (1600 x 900)
- OS: Windows 7
- Network: Broadcom NetXtreme Ethernet
- CD: Tray load DVD Drive (Reads and Writes to DVD/CD)

## Ultra 12040HF Portable X-Ray Unit (optional):

- Weight: 25 lbs
- Cabinet Design: One Piece with external collimator
- Output Power: 2.8 KW
- Generator: 70kHz inverter type
- Digital Display and Technique Selection: Kv, mAs, time
- kVp minimum to maximum with step selection: 40-120kV, 1 kV step
- mAs minimum to maximum with 25 step selection: 0.4 to 100mAs
- Time minimum to maximum: 0.011 to 8 seconds
- mA Maximum: 40 mA based on kVp selected
- Collimator: Cassette size indicator dials, lamp timer on during prep., off after exposure
- Laser Pointer: Dual Integrated Laser Pointers
- Line Power Supply Compensation: Dynamic two stage, automatic line voltage and current
- Line Power Supply Requirements: 120 Volts
- X-Ray Tube Manufacturer: Toshiba Model D-125
- Focal Spot: 1.2mm Heating Unit: 50,000HU
- Cooling Speed: 350HU/sec. Target Angle: 16°
- X-Ray Beam Aluminum Filtration in mm: 1mm Al equivalent @ 90kV
- Exposure Switch Two Stage Prep. Exposure: Hand Switch (Optional Foot Switch)
- Exposure Cord length: 12 ft.
- Power Cord length: 20 ft.
- Tape Measure: Heavy Duty

## Ultra 12040HF Portable X-Ray Unit (optional):

- Weight: 16 lbs
- Cabinet Design: Two Piece
- Output Power: 1.5 kW
- Generator: High Frequency Inverter Type
- Digital Display & Technique Selection: Kv, mAs
- kVp minimum to maximum with step selection: 40-90kV, 1 kV step
- mAs minimum to maximum with 26 step selection: .32 to 30mAs
- Time minimum to maximum: .02 to 3 seconds in 23 steps
- mA Maximum: 30mA
- Collimator: Cassette size indicator dials, lamp timer on during prep., off upon exposure
- Laser Pointer: Dual Integrated Laser Pointers
- Automatic Line Voltage and Current compensation: 82vAC -130 vAC, as little as 5amps line current
- Line Power Supply Requirements: 120vAC or 240vAC
- X-Ray Tube: Heavy Duty
- Focal Spot: 1.2mm Heating Unit: 70,000HU Cooling Speed: 300HU/sec. Target Angle: 16°
- X-Ray Beam Aluminum Filtration in mm: 2.5mm Al equivalent @ 80kV
- Exposure Switch Two Stage Prep. Exposure: Hand Switch (Optional Foot Switch)
- Exposure Cord length in feet: 12 ft. Power Cord length in feet: 20 ft.
- Tape Measure: Heavy Duty