

Complete Digital Imaging System

The DR Navigator 8x10" Smart Panel 100 is one of the smallest sized - highest detail - self-contained digital imaging systems available. The DR Navigator 100 differs from traditional X-ray systems in that, instead of exposing a film and chemically processing it to create a hard copy image, a device called a Detector is used to capture the image in electronic form.

Features & Benefits:

- 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



► A Quick Look

System Includes:

- DR Tech Smart Flat Panel 8x10 Digital Imaging Unit
- Work Station Server Computer
- Interface Cabling
- Full Featured Imaging Software
- Self-Contained 90 kV HF Portable Unit
- Rectangular Light Beam Collimator
- X-Ray Unit Carry Case
- Technique Charts

DRE Digital 100 Flat Panel

X-Ray Package

Specifications:

Digital Flat Panel:

- » Dimensions: 13"W x 16 3/4"D x .9"H (w/handle)
- » Detecting Area: 8" x 10" Weight: 7.4 pounds
- » Pixel Resolution: 2048 x 1536 (3.1 million pixels)
- » Pixel Pitch: 129um
- » Full Frame Transfer Direct Conversion
- » 14 bit digital data conversion, 16384 shades of gray
- » Acquisition time <5 sec after x-ray exposure

Laptop Computer High Powered Work Station:

- » Operating System: Windows 7 Professional, 32-bit
- » Processor: Intel Core i5-2410M (2.4GHz) with Turbo Boost Technology 2.0
- » Memory: 4GB, DDR3 -1333MHz SDRAM, 2DIMMS
- » Graphics: Intel HD Graphics 3000
- » Hard Drive: 320GB 7200rpm
- » CD/DVD Drive: 8x DVD+/-RW
- » Battery: 6-cell Primary Lithium Ion Battery
- » Screen Size: 15.6" HD Anti-Glare LED-backlit
- » Accidental Damage: 3 Year Accidental Damage Service
- » 3 Year ProSupport and 3 Year NBD Limited On-Site Service After Remote Diagnosis

Ultra 9030HF Specifications:

- » Weight Class: Ultra Light Weight
- » Weight in Pounds: 16 lbs
- » Cabinet Design: Two Piece
- » Output Power in kW: 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
- » Line Power Supply Compensation: Dynamic two stage, automatic line voltage and 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
- » Carry Case Size: 10"H x 12"W x 18.5"L

