The Electronics and Peripheral Components

DCIM 3.0 compliance allows for integration of the VetRay digital system with other DCIM applications including PACS, WIS, reading stations and laser printers.

DICOM 3.0 compliance allows for integration of the VetRay digital system with other DICOM applications including PACS, WIS, reading stations and laser printers.

Network Compatibility

The system has been developed using leading-edge technology in hardware and software components for connecting to the network products.

The operating system used is Windows 2000/Windows XP and runs on professional PC hardware. Networking is done by DCIM and Ethernet connections.

SEDICAL DIGITAL VET system can be connected to all modern existing peripheral equipment.

System Specifications

- High Frequency X-ray Generator
- 100-130V AC, 50-60Hz
- 16, 17, 18, 20, 25, 30, 40, 50, 60, 80, 100, 125, 150, 180, 200, 250kV
- Continuous X-ray power rating: 15W, 20W, 30W, 40W, 50W, 60W, 80W, 100W
- Exposure time range: 1-999 seconds
- Focal distance range: 1000-5000 mm
- Total weight (system + accessories): 125 kg
- System dimensions: 1200 x 1200 x 1500 mm
- Focal spot: 0.2 mm
- Detector specifications:
  - High resolution flat detector
  - 1000 x 1000 pixels
  - Range of view: 40 x 40 cm
  - Frame rate: 30 fps
  - Minimum dose: 0.1 mR
  - Minimum current: 0.1 mA
  - Minimum exposure time: 1 second
  - Patient weight capacity: 120 kg

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Digital Vet
X-ray Image ready in just 6 seconds after X-ray exposure!

No more repetitive exposure! The automatic exposure control combined with the advanced vertical program, always obtaining the ideal image with no extra shot words, underexposed and overexposed radiographs.

Digital-Vet System Features

- Daily Scheduling
  DICOM Work list query allows entry of schedule/patient information before the exam.
  DICOM Worklist query allows monitoring of schedule and patient information to select a patient.
  Information can also be entered directly from the workstation.

- Position - Exposure - X-ray Image is Displayed
  After 6 seconds after exposure, the image is ready for viewing.
  The automatic exposure control provides an ideal image for each patient.
  The display time is also adjustable.

- Instantaneous Diagnosis
  No film is needed in film processing.
  All advantages of digital imaging translate into enormous savings, both in time and money.

Digital Imaging Advantages

- Eliminates the need for x-ray film.
- No more repeat films, eliminating unnecessary radiation to the patient and the operator.
- No cassette handling.
- No darkroom required.
- No need for a film processor.
- DICOM compatible.
- All advantages of digital imaging translate into enormous savings, both in time and money.

- Text waste is eliminated: developer, fixer, water with residues of silver salts, etc.
- It does not require any consumption of water.
- It is not subject to the current ENVIRONMENT regulations.

System Performance

- Veterinary Dedicated Chamber
- DUAL FUNCTION
  Examinations with G&O (for general purposes)
  Examinations with direct imaging (for specific purposes)

- CDD Camera Digital Detector
- VET TABLE INTERNAL STRUCTURE
  ...and WITHOUT G&O, that improves the image quality for the examinations of the animal aesthetics.

Digital imaging gives you a high-quality image for diagnostic purposes with ONE EXPOSURE ONLY.

The wide dynamic range of the digital detector allows the user to modify the level and width of the grey scale window.