

Specifications

HCFI DIGITAL X-RAY 200 kHz High Frequency Veterinary Systems

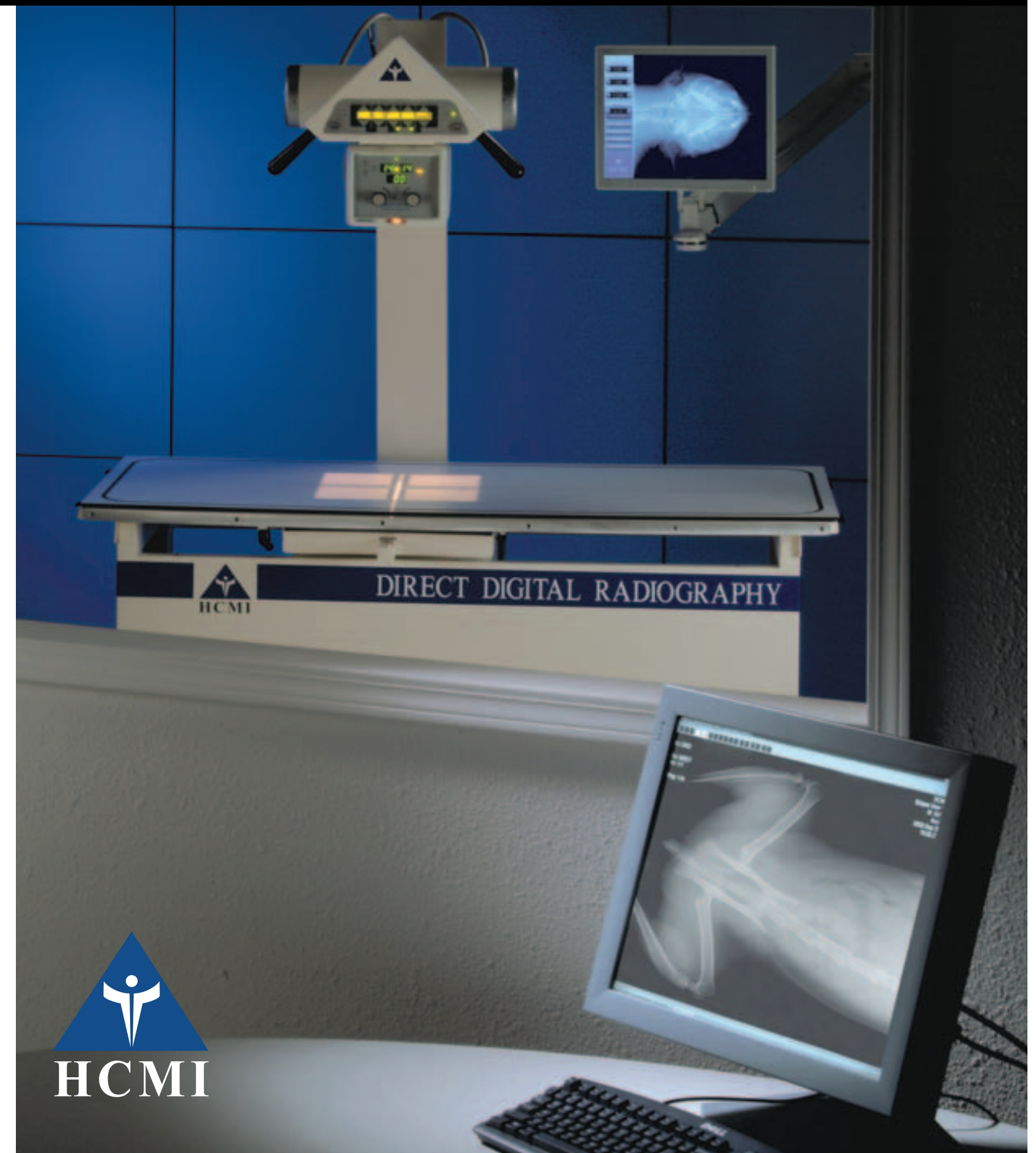
| Digital Imaging Specifications | |
|---------------------------------------|---|
| Field of view | 14"x14" (36cm x 36cm) |
| Resolution | 4 Million Pixels @ 14 bit True Grey Scale |
| Patient Data | DICOM® Data Input from Keyboard (Touch screen Optional) |
| Image Acquisition | > 1 Second @ 450 Mbps USB 2.0 |
| Image Storage | DICOM® 3.0 with JPEG2000 |
| Local Archive | +/- 20,000 Images (Additional Storage Optional) |
| Automatic Exposure Control | Single Field AEC Interfaced to X-Ray |
| Focal Distance | Fixed 34" With 178 LP/IN 6:1 Ratio Grid |

| 200kHz Digital Generator Specifications | |
|--|-----------------|
| Model | HF-375 |
| mA Range | 150-375 |
| kVp Range | 50-125 |
| Power Requirements | 100 Amp 240 VAC |
| kW Rating | 37.5 kW |



Digital Imaging Workstations (Optional)

HCFI also offers the latest in digital image workstations. These turn key packages include everything you need to properly view, manipulate and diagnose digital imagery. These workstations can include a Pentium 4 computer, a medical grade 3 million pixel monochrome LCD monitor and DICOM® image reading software that allows you to view and manipulate imagery as well as burn cases to cd-rom and transmit files to other locations. HCFI can also customize a configuration to suit your needs.



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LOCAL REPRESENTATIVE

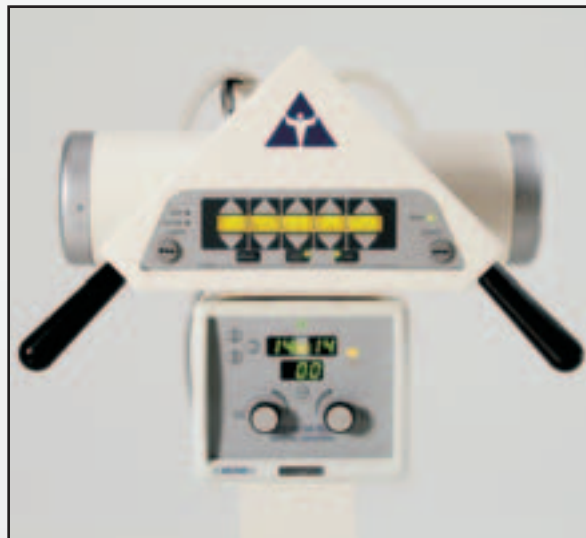
DICOM® is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.



X-ray image appears in one second.

The NEW HCMI digital radiography system is powered by a compact 200 kHz high frequency generator that is synchronized with the CCD imaging system. High frequency technology produces more mR output per mAs than conventional x-ray generators. Automatic exposure control (AEC) makes operation simple, producing consistent imaging without having to measure the patient or enter x-ray technique factors.

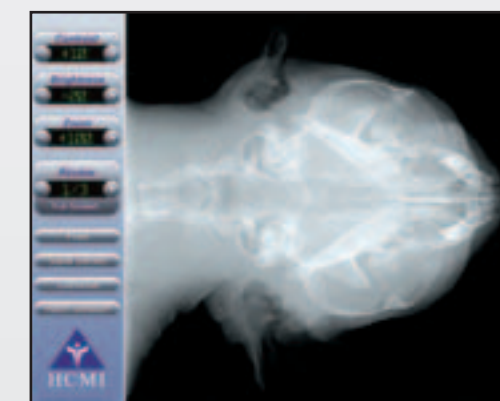
The digital motorized field of view collimator is synchronized to the anatomical program to size and format the digital image. Auto-Lamp feature allows for hands free collimator light operation during the exam.



Superior user friendly anatomical programming is standard on all HCMI systems. The VOC (Veterinary Operator Control) places all anatomical information at eye level for convenience. Anatomical programming means one thing: technique selection is easy. Simply select canine, feline or exotic, then the view and you're ready to expose. The HCMI digital veterinary generator automatically adjusts for the correct and shortest exposure.



The ease of use comes from HCMI's intuitive Graphical User Interface (GUI). The software allows for fast processing of the image data providing for instant control of brightness, contrast and zoom, as well as the ability to review all the images taken in the current series and input of DICOM® patient data. The ability to print hard copies is also available, allowing for prints to be made immediately. Stored image data can easily be imported into various applications for further reading and image transmission.



That's just the beginning.

The NEW HCMI digital system was designed all together, allowing a breakthrough in veterinary x-ray. Preview software displays the actual image immediately allowing the operator to check positioning and collimation.

This visionary technology is now affordable for any veterinary clinic or hospital.

The benefits are numerous:

- No film, cassettes or trays
- No darkroom
- No processor or chemistry
- Increased throughput
- Reduced operating costs
- Reduced time for x-rays
- Never take a bad x-ray



HCMI radiographic tables are integrated to the tubestand, providing continuous alignment of x-ray field to the digital receptor. The "Uro-Track" feature on the table top eliminates the risk of fluid and waste material from reaching the floor.

