

VIDAR VISION™ 4000 DR at a CR Price™

VIDAR® VISION™ 4000 Digital Radiography System

The VIDAR VISION 4000 Digital Radiography system is an affordable DR solution designed for all radiography environments, including imaging centers, orthopedic practices, small hospitals, and outpatient areas of hospitals. The VIDAR VISION 4000 is the first truly affordable, full-featured DR system, providing a total solution for all digital radiographic examinations.*

The VIDAR VISION 4000 features superior image quality, rapid image acquisition, improved productivity, and ease of use at a price comparable to computed radiography systems. The flexible system features a 4K detector for the high-resolution imaging needs of busy radiology centers, orthopedic practices, and hospitals. VIDAR's new VISION DR product line also includes the affordable VISION 3000 system, with a 3K detector that is ideal for lower volume office-based applications.

Enhanced Workflow of DR at a CR Price

Increased PACS installations have created demand for fast, convenient, and precise digital x-ray systems, but high cost has been a barrier. As a result, many facilities have turned to CR in order to obtain digital x-ray images. CR, however, produces only limited gains in productivity over film-based systems due to cumbersome cassette handling requirements, with workflow similar to analog x-ray systems.

In contrast, DR systems offer significant operational efficiencies and increased productivity resulting from the elimination of costs and staff time associated with film, film processing, and cassette handling. As a result, DR has been shown to more than double the productivity of CR or film-based imaging systems. Other benefits of DR systems include better image quality, greater patient satisfaction due to shorter exams times and improved patient flow, and enhanced revenue through increased numbers of exams per room. With VIDAR's entry into the DR market, facilities now can acquire high-quality DR capabilities at about the price they would pay for less productive CR technology.

Key System Benefits

The VIDAR VISION 4000 system provides a number of key benefits for users. The system features the highest quality digital x-ray capabilities (4.2 lp/mm) and superior diagnostic information (65,536 shades of gray), providing image quality that is equal to or better than the best CR systems. The VIDAR VISION 4000 system displays images in <10 seconds resulting in faster visualization and streamlined treatment for improved patient care.



The VIDAR VISION 4000's motorized stand allows the system to provide a full range of general radiography and orthopedic diagnostic procedures. The system eliminates cassette handling, reduces procedure time, and lowers exam retakes. Exam presets further improve efficiency and accuracy, and built-in sensors prevent damage to equipment. A full-featured software package offers an intuitive user interface and seamless PACS integration.

Why VIDAR?

VIDAR Systems Corporation is a leader in medical imaging and the number one provider of medical film digitizers worldwide, with more than 15,000 units installed. VIDAR's extensive experience in the field of medical imaging technology and unmatched reputation for quality and customer service allowed it to transform the field of film digitization. Now, the company has focused its considerable expertise on creating the new standard in affordable digital radiography — the VIDAR VISION DR system.

VIDAR VISION DR

- Provides superior image quality
- Eliminates cassette handling
- Reduces procedure time
- Reduces exam retakes

*VIDAR VISION DR Systems are not intended for mammography exams.

VIDAR VISION™

4000

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Product Specifications

VIDAR

Detector array:	Full field single HD CCD®
Active image size:	16 x 16 inches (40cm x 40cm)
Pixels:	4096 x 4096 (16 megapixels)
Pixel size:	120 micron
Spatial frequency (Nyquist):	4.2 lp/mm
Bit depth:	16 bit capture
AEC:	3 field ionization chamber
Image display	<10 seconds

Grid

Ratio:	8:1
Frequency:	80 lines/cm
Type:	Stationary
Focal distance:	55" (140 cm)

Stand Function Specifications

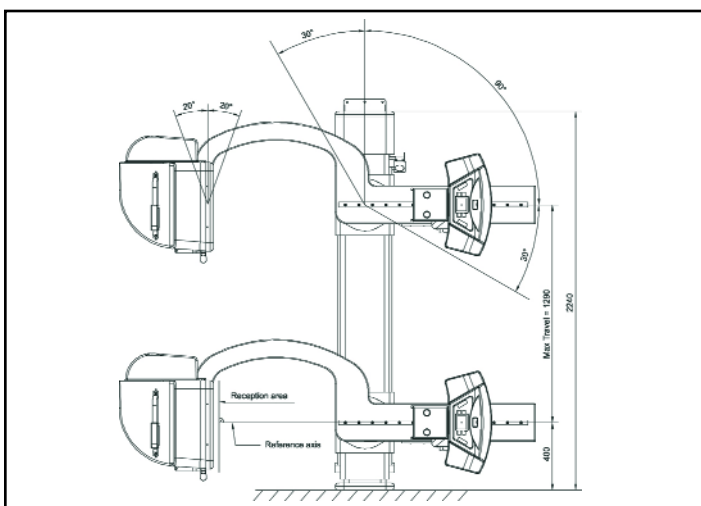
Maximum focal distance to floor:	67" (169 cm)
Minimum focal distance to floor:	18" (45 cm)
Rotation of arm:	+120°/-30°
Allowable table dimensions:	Height: 33" (85 cm) Width: 26" (66 cm) Length: 79" (200 cm)

- Fully motorized movements with intelligent anti-collision system
- Automatic settings for 40" (100 cm) and 72" (180 cm) SID
- Auto-positioning for table exposures
- Patient table capacity of 440 lbs (220 kg)

Generator (Sedecal)

Power:	64 kW compact high frequency generator
kVp range:	40kVp to 150 kVp in 1 kVp steps
mA range:	10mA to 640mA. 19 mA stations
Time range:	1 ms to 10 sec. 41 time stations

- Full anatomical programming
- Prep/exposure hand switch
- Microprocessor system monitor
- Touchscreen console and choice of console — pedestal, counter top or wall mount



Collimator (Ralco)

- Manual collimator
- Electronic timer
- Bucky centering light with laser
- Retractable tape measure with knob

X-Ray Tube (Varian)

- Rotating 4" anode featuring a Rhenium Tungsten-faced Molybdenum target
- Dual focal spots:
 - high speed small focus 0.6 mm
 - high speed large focus 1.2 mm
- 64kW 150 kVp
- 600 kHu

Modality Workstation

- Intel Pentium IV Processor
- Monitor (1200 x 1600)
- 512 MB RAM
- Matrox G550 graphics card
- 100 MB/s network card for PACS connection
- VIDAR VISION Control Software includes:

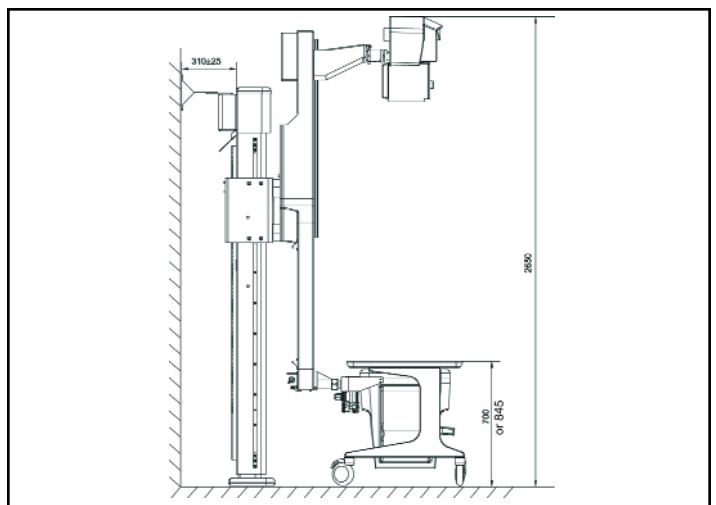
- Brightness
- Invert
- Measure
- Contrast
- Histogram
- DICOM Modality Worklist
- Zoom
- Edge enhancement
- DICOM PRNT

Operating Conditions

Operating temperature:	59°F–77°F (15°C–25°C)
Humidity (non-condensing):	10–70%

Power Requirements

Generator:	Dedicated 480V3 phase ±/-10%, 60A, 55/60Hz
Stand & Detector:	120/240 V(AC), 15 amp with 2 connections
Workstation:	120/240 V(AC), 15 amp with 3 connections



Specifications are subject to change without notice

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