

 | **Divario CR systems**



| with *dicomPACS*® **DX-R** Software

| CR Systems for the Future

The compact and high-class CR generation

Divario CR 125

Divario CR 145



Divario CR 125 and 145

Good things come in small packages

The **Divario** CR 125 and 145 system has been specially developed for the creation of digital X-ray images for small to medium patient volumes, without compromising on professional handling and image quality.

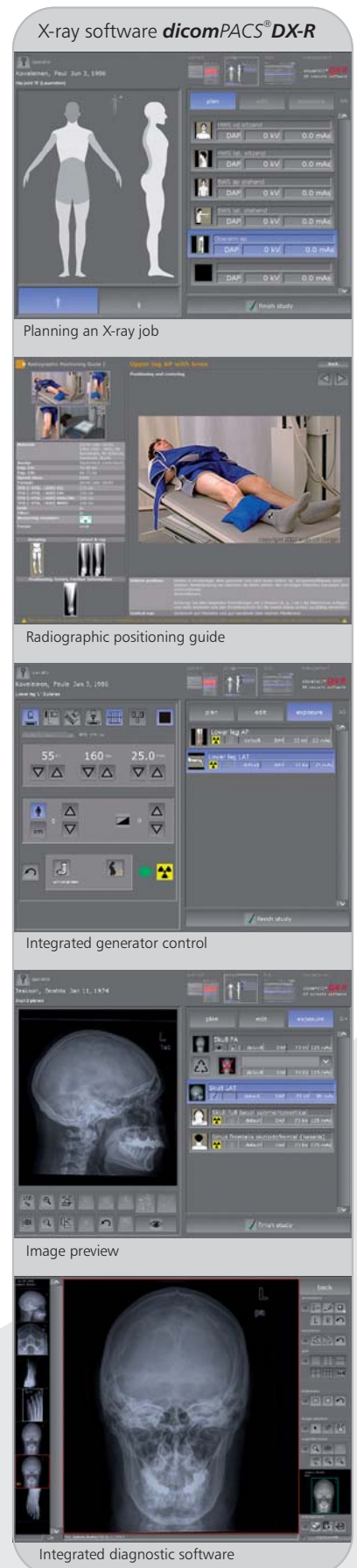
The *dicomPACS®DX-R* software in particular allows quick and easy working. Special emphasis was placed on maximum image quality and maximum flexibility. For example, the included professional image processing software *dicomPACS®DX-R* can be adapted very easily to the doctor's specific wishes or requirements for each X-ray examination. The user is not limited to the selection of „pre-set“ standards. This functionality provides the best possible image quality in accordance with the doctor's requirements.

The creation of the best possible images, however, also requires the correct setup of the X-ray unit and the correct positioning of the patient. To help the X-ray assistant with this task, a multimedia radiographic positioning guide for each examination has been integrated directly into the system. It allows the user to verify, prior to taking the X-ray, how to correctly set up the X-ray image. Even videos on the positioning of a patient etc. are included. This guide removes the need for radiographers to consult tables, reference books or external software programs.

dicomPACS®DX-R includes many more options and support functions, such as integrated measuring functions, pelvic obliquity measurements, Cobb's angle etc. that greatly facilitate the X-ray process and the evaluation of images.

Of course, the system can also be connected seamlessly with printers as well as patient and image administration systems (PACS).

The excellent quality will convince you! Call your dealer today to arrange a presentation.



Investment protection:

If you wish to create your X-ray images with a flat panel system (DR = direct radiography) at a later stage, you only have to exchange the **Divario** CR system for a flat panel. **dicomPACS® DX-R** is already designed to implement such a connection. You will not need to purchase new software or to get used to a new user interface. **This is what we call investment protection.**

Benefits of **dicomPACS® DX-R** software:

- Up to date graphic user surface
- Operation via touch screen to ensure quick and efficient work
- Smooth workflow
- Fast and secure registration of emergency patients
- Free configuration of body parts
- Captures recurring examination processes as macros (e.g. for screenings)
- Professional **dicomPACS® DX-R** image processing adaptable to each examination for best possible image quality
- Due to specially developed procedures, **dicomPACS® DX-R** image processing allows considerable variation of X-ray parameters whilst providing a virtually consistent image quality
- Option to display the recommended settings for each examination (KVp, mA, mAs etc.) in accordance with the generator used
- Fully integrated multimedia radiographic positioning guide for each examination
- Fully integrated **dicomPACS®** diagnostic module for image diagnosis, further processing and storage
- Availability of a wide range of tools such as measurements, Cobb's angle, image export, recording of findings, printing of images on Windows printers etc.
- Creation of patient CDs
- Easy upgrading to a professional PACS system
- Image distribution to colleagues via the **dicomPACS®** webserver is possible (optional)
- Communication with patient administration or image management systems via the international DICOM 3.0 standard

Built-in flexibility!

The **dicomPACS® DX-R** software already includes all functions necessary to store X-ray images and provide them to other workstations as a standard feature. Other work stations in your practice's network may load these images directly and display them. This requires just one "**dicomPACS®** Diagnostic Module Standard" (optional extra) per workstation. Of course, the images can also be sent to an existing PACS system.

Unit specifications including **Divario**

	Direct View Vita 25	Direct View Vita 45
Throughput:	up to 22 cassettes per hour (35 x 43 cm)	up to 44 cassettes per hour (35 x 43 cm)
Startup time for first image:	38 seconds	
Grayscale resolution:	Acquisition: 16 bits per pixel; Display: 12 bits per pixel	
Measurements (H x W x D):	33.7 x 75 x 55.5 cm	
Weight:	36 kg	
System configurations:	table top unit, Z-cart (mobile cart)	
Power supply:	single phase, 50/60 Hz, 100 -240 VAC, 4A	
Safety and regulatory approvals:	FDA, CE, cTUVus	



dicomPACS® DX-R acquisition, diagnostic and archiving software

- **dicomPACS® DX-R** acquisition, diagnostic and archiving software including an integrated professional PACS viewer with image editing, measuring and export options, image printing, freely configurable user interface and much more
- Operation via touch screen
- More than 180 integrated X-ray settings
- Integrated multimedia radiographic positioning guide for each examination including photos and examples of correct X-ray images
- Capturing of macros for recurring examination processes
- Option to display the recommended X-ray settings for each examination (Kvp, mA, mAs etc.) in accordance with the generator used
- Extensive image processing
- **dicomPACS® DX-R** can be adapted to the customer's individual requirements for each examination
- Black mask functionality
- Automatic removal of grid lines when fixed grids are used
- Creation of patient CDs
- Image transmission to PACS systems (DICOM)
- Worklist (DICOM Modality Worklist) for integration with administration systems
- Many more functions are available as optional extras, e.g. DICOM Print. The system can be upgraded to a networked image management system (PACS).



dicomPACS® DX-R 19" touch screen workstation available in 2 different versions (optional)

Scope of delivery: PC, 19" touch screen monitor, optical mouse and keyboard, MS Windows Professional, hardware stress test, pre-installation **dicomPACS® DX-R** software

Version 1: Console PC

- Intel®Core Processor
- 4 GB RAM DDR
- Dual head graphic card
- 2 x 250 GB hard drive mirrored (RAID 1)
- DVD+/-RW drive
- 2 x 1,000 Mbit network card



Version 2: Archive and diagnostic server

- Intel®Xeon® Processor
- 4 GB RAM DDR
- Dual head graphic card
- 2 x 1,500 GB hard drive mirrored (RAID 1)
- DVD+/-RW drive
- 2 x 1,000 Mbit network card



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