



Medici-DR

flat panel upgrade kit for your existing X-ray system

Upgrading to digital made easy!

Are you looking for a digital detector system that connects to your existing X-ray unit, is easy to install, straightforward to operate, and generates professional and reproducible images?

Medici DR systems are available for nearly every X-ray unit manufactured. **Medici** eliminates the bothersome 500 ms exposure delay still common in many other systems. This technological advance results in perfect digital images, regardless of inclination or reclination. After choosing the appropriate make and size of wireless or tethered flat panel detector, the system can be configured according to your needs. The **dicomPACS® DX-R** image acquisition software is easy to operate, has a touchscreen interface, improves workflow, and produces outstanding X-ray images. Naturally, **Medici** DR systems can be integrated with your practice management software.

The following **Medici** DR systems are available at the moment:

- **DR retrofit with wireless flat panel** additional image acquisition software **dicomPACS® DX-R** and control panel with touchscreen
- **DR retrofit with tethered flat panel** additional image acquisition software **dicomPACS® DX-R** and control panel with touchscreen



System benefits

Customised: large selection of X-ray detectors in various sizes and from diverse manufacturers

Optimal: excellent image quality with automatic image processing, no need for manual corrections

Cost-efficient: reduce operating costs – no processing chemicals necessary

Simple: Auto Exposure Detection (AED) means you no longer have to access the x-ray unit or make manual adjustments to the system. Just as easy to install as a CR system.

Ideal: save time and space thanks to digital image transfer and archiving

Efficient: integration into your existing patient management system – patient data at the push of a button

Excellent: high-quality X-ray detector based on a caesium iodide (CsI) scintillator – top image quality even at low X-ray doses

User friendly: intuitive OR Technology acquisition software (*dicomPACS® DX-R*) including free special measuring functions

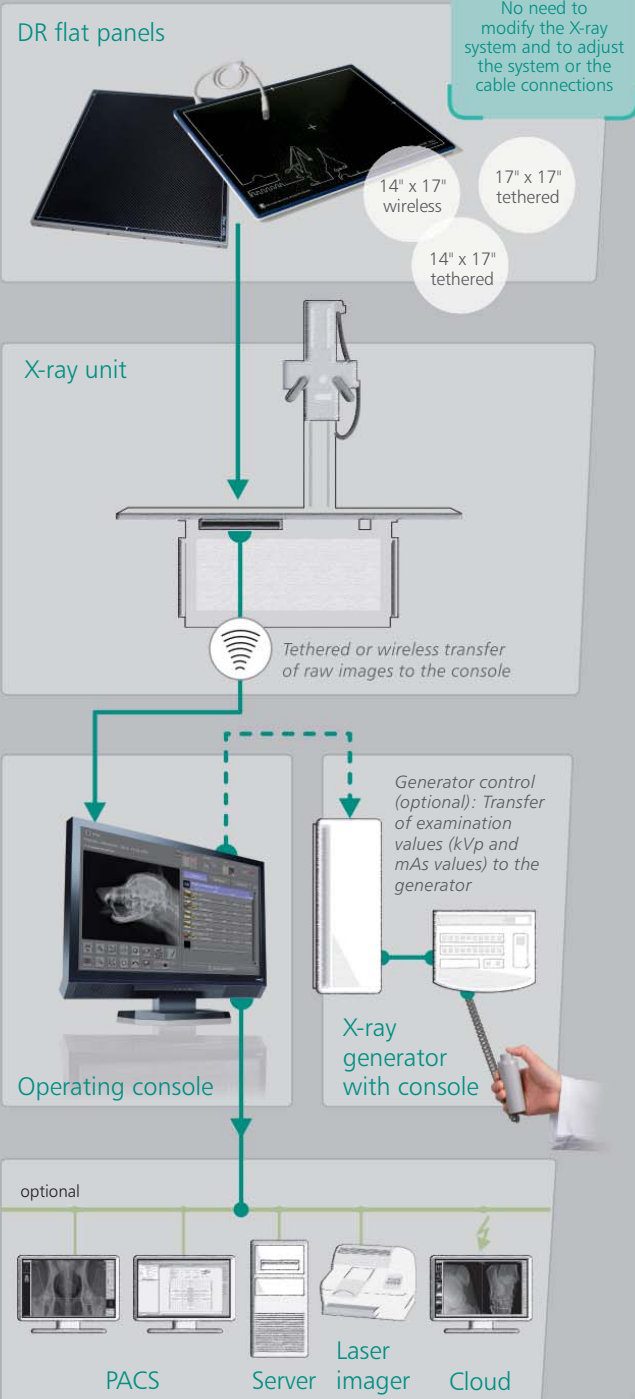
Fast: shortly after taking the shot (6 - 8 seconds), the X-ray image is already available for viewing and diagnostic evaluation

Cleverly designed: integrated X-ray positioning guide (for examinations of cats and dogs)

Simple: second opinions in a flash with well-designed image management – for example via a cloud solution



Mode of operation



Upgrade to an integrated multi-modality PACS

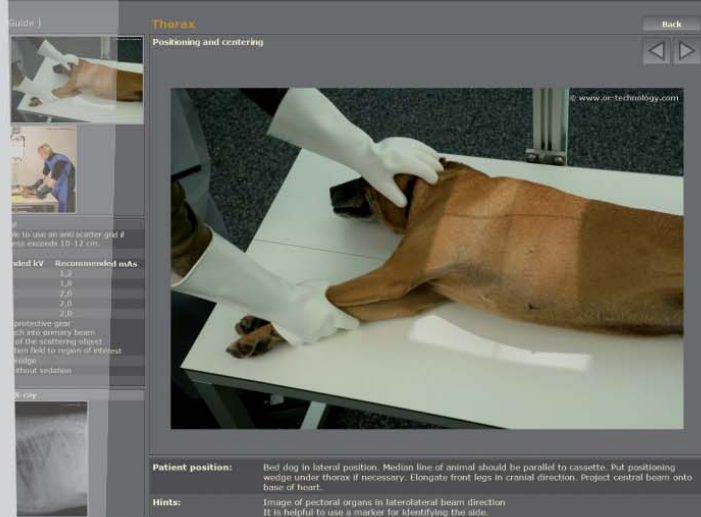
- **DICOM reception** from any DICOM sources, e.g. CT, MRI, scintigraphy, ultrasound etc
- **DICOM distribution** with freely configurable rules
- **DICOM DIR import** for archiving patient CDs by other manufacturers
- **DICOM Query/Retrieve** (SCP/ SCU)
- DICOM Auto **Pre-fetching**
- **DICOM Print Server** to convert DICOM Basic Print into Windows print jobs
- **DICOM Compression** according to freely configurable rules
- **DICOM CD/DVD Backup Module**, also via robot systems
- Integration of **film and document scanners**
- Digitalisation of standard and non-standard video signals, e.g. **endoscopy, angiography** etc.
- Fully automatic **synchronisation** of two image databases, e.g. laptop and main archive
- **Exchange of images and diagnostic** reports between individual clinics by means of teleradiology
- **dicomPACS® MobileView**: distributes images within a hospital and displays the images in a web browser
- **ORCA - cloud-based solution**: enables worldwide image distribution to referring doctors and patients via the internet



More information about **Medici** flat panel upgrade kit you can be found here:
www.or-technology.com

Advantages of professional acquisition software

- Modern graphical user interface (GUI) adaptable to almost any language, **touchscreen** operation – to ensure quick and efficient work and a smooth workflow
- Capture patient data via **DICOM Worklist, BDT/GDT, HL7** or other protocols – data may also be captured manually
- Use **DICOM Procedure Codes** for the transfer of all relevant examination data directly from the connected patient management system (HIS/RIS)
- Freely configurable** body parts with more than **200 projections** and numerous possible adjustments in veterinary medicine already included
- Safe and fast **registration of emergency patients** allowing the user to **switch between examinations** of a patient, for instance to avoid having to re-position the patient frequently
- Allows the user to **subsequently add images** to an examination, even after that examination has already been completed
- Special tools for veterinary medicine, such as an extra dialogue box for patient and owner data, **integrated hip dysplasia measuring, MMP, TTA, TPLO and vertebral heart score (Buchanan), special image filters, multi generator operation** for alternating between mobile and stationary X-ray systems and much more...
- Fully **integrated radiographic positioning guide** for each examination incl. comprehensive notes, photos and correct X-ray images
- Suited for use in **dental medicine**, e.g. with a **digital dental sensor or a dental CR system**



Options for upgrading acquisition software

dicomPACS®DX-R may not only be used as a software for the acquisition and processing of X-ray images, but can also be upgraded to a MiniPACS or even to an Enterprise Multi Modality PACS. Thousands of installed workstations in over 90 countries (as of 2/2018) prove that our customers are satisfied.

A single workstation system with installed **dicomPACS®DX-R** software can be upgraded with the following options (extract):

Further optional viewer functions:

- May be installed on **Windows, Apple MAC and Linux** systems
- Generation of full leg/full spine images (**Image stitching**)
- Preparation of diagnostic reports with integrated images in MS Word
- Connection of several diagnostic monitors
- Capturing additional patient and examination data with their freely configurable **statistical analysis**
- Working with **digital prosthesis templates for surgery planning** and documentation - Prosthesis templates can be selected from a set and inserted into the image as annotations
- Additional radiological functions such as Maximum Intensity Projection (**MIP**), Multiplanar Reconstruction (**MPR**), hanging protocols
- Fast and easy preparation of equine pre-purchase examinations with automatically inserted X-ray images (only for Germany) and much more...

Specifications subject to revision without notice

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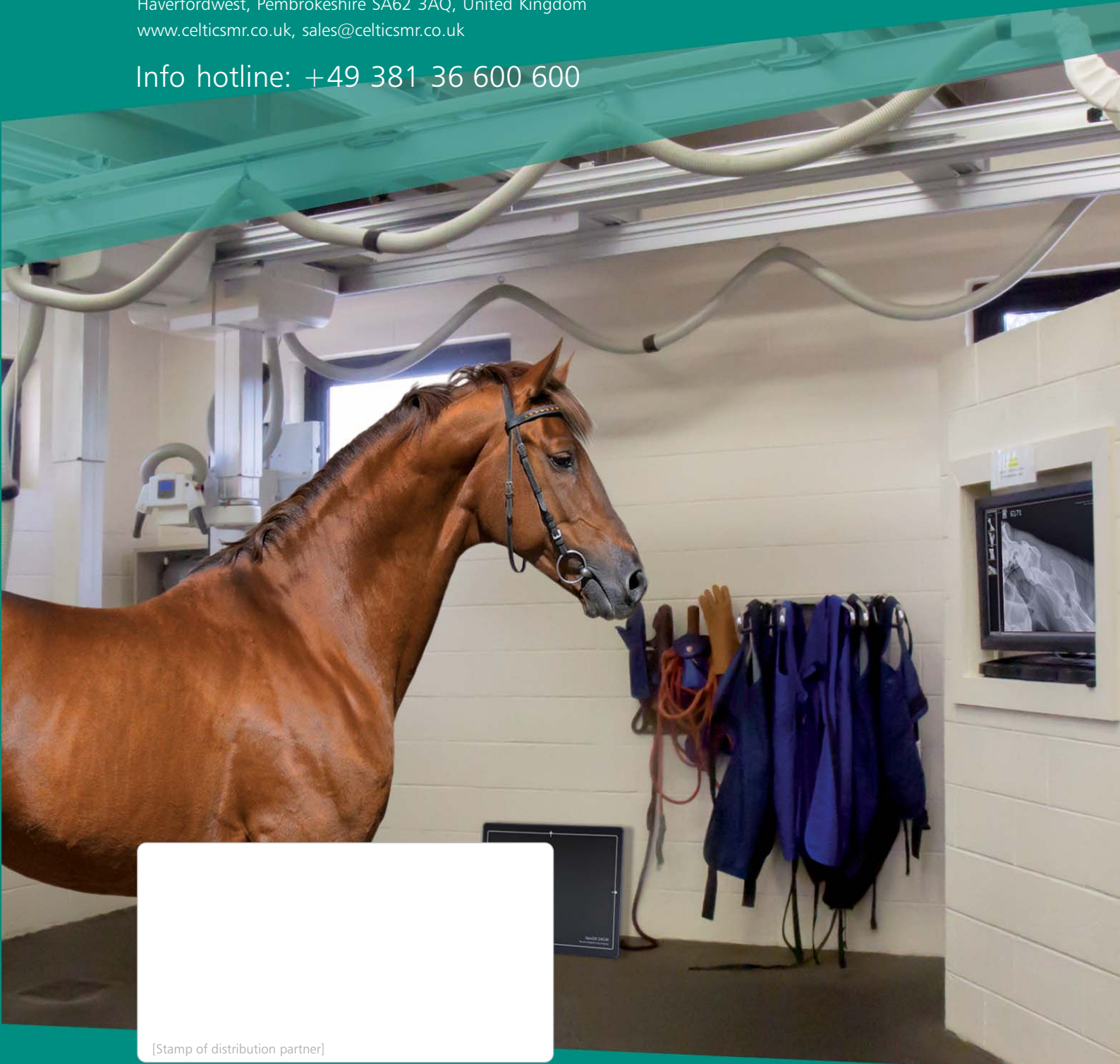
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