OR Technology

Medici-DR

X-ray detector retrofit for your existing stationary and mobile 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? Digital radiography does not automatically require investing in an entirely new system. Medici DR systems are available for nearly every X-ray unit manufactured. After choosing the appropriate make and size of flat panel detector, the system can be configured according to your needs.

The *dicomPACS®DX-R* image acquisition software is easy to operate via a touchscreen interface, improves your workflow, and produces outstanding X-ray images. Naturally, Medici DR systems can be integrated with your practice management software and programmed to transfer X-ray images to an image management system (PACS).

Two versions of the system are available

- **DR retrofits with wireless X-ray detector** incl. *dicomPACS®DX-R* acquisition and diagnostic software for X-ray images with touch screen
- **DR retrofits with tethered X-ray detector** incl. *dicomPACS®DX-R* acquisition and diagnostic software for X-ray images with touch screen

CE 0482 FDA 510(k) cleared Health Canada MDSAP Certification QMS ISO13485

Medici DR Systems

System benefits

Customised: large selection of X-ray detectors in various sizes and from various 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 (***dicom****PACS*®***DX-R***) including free special measuring functions

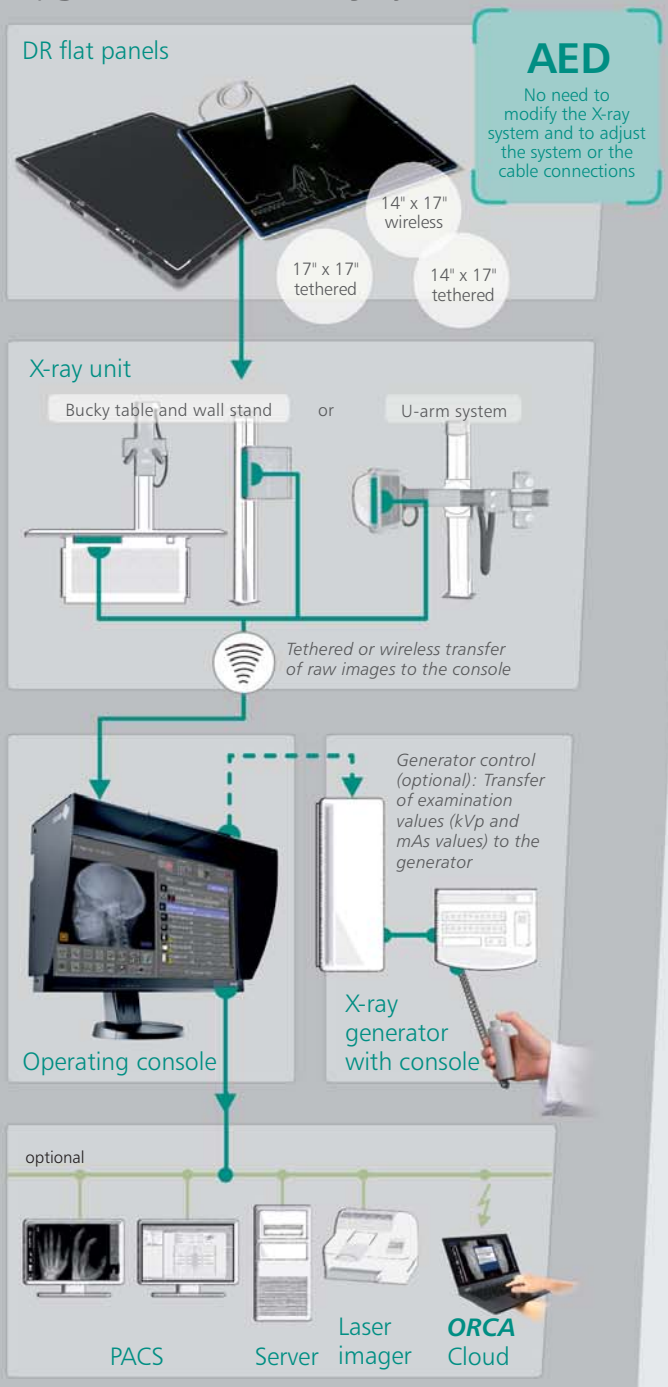
Fast: shortly after taking the shot (6 - 8 seconds), the X-ray image is already available for viewing and diagnostic evaluation

Cleverly designed: integrated X-ray positioning guide helps choose the perfect positioning for each examination inclusive helpful photos, videos and correct X-rays images

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

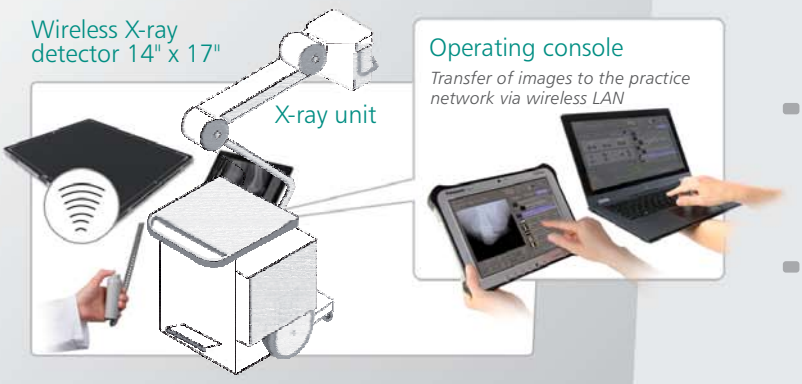
Detailed information can be found at **www.or-technology.com**

Upgrade of **stationary** systems



Upgrade of **mobile** systems

Wireless transfer of raw images to Toughpad or Tablet-PC – no additional access point required



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 distribution 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
- ***dicom**PACS®**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

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 of patient data via **DICOM Worklist, BDT/GDT, HL7** or other protocols – data may also be captured manually
- Use of **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 **400 projections** and numerous possible adjustments 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 been completed
- GLI (gridless imaging): Exposures without grid. Enables the display of an image as if it had been taken with a grid – useful for supine chest exposures (bedside)
- Additional **special functions** including Chiro Tools (diagnostic tools for efficient analyses) and tools that assist with NUCCA examinations
- **User-defined macros for recurring examinations**, e.g. thorax screenings
- Fully **integrated radiographic positioning guide** for each examination incl. comprehensive notes, photos, videos and correct X-ray images
- Option to **control** a digital X-ray system **via wireless remote** incl. display of the worklist, preview of the image taken for checking and much more

Detailed information can be found at **www.or-technology.com**

Options for upgrading acquisition software

dicom**PACS*®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. Thousends of installed workstations in over 90 countries (as of 10/2018) prove that our customers are satisfied.

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

Further optional viewer functions:

- May be installed external viewing stations 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 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
- Quick and easy creation of operation reports incl. automatic transfer of X-ray images and much more ...

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OR Technology

www.or-technology.com | **X-perts in X-ray**

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Product video about **Medici DR systems** can be found here: **www.or-technology.com/medici-video**

More information about **DR retrofits for stationary X-ray system** can be found here: **www.or-technology.com**

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