Leonardo DR nano

One of the world's lightest X-ray systems in a backpack

X-ray system in a comfortable, very sturdy backpack - with only a flat panel detector and tablet PC

The extremely compact Leonardo DR nano is stowed in a well-designed and sturdy backpack (also functions as a carrying case). Weighing just under 9 kg (including laptop, accessories and flat panel detector 14" x 17"), the entire unit can easily be carried to remote locations. The Leonardo's straightforward user interface makes it easy for staff to generate excellent X-ray images. In addition, the integrated multimedia X-ray positioning guide assists with patient positioning.

The system is ideal for ambulatory digital radiography in home care, disaster control and emergency medicine, and well as on ships, yachts and offshore platforms. The Leonardo DR nano system is also well suited for use in confined spaces and difficult terrain. Battery operated portable X-ray generators with a total weight of as little as 6.8 kg complete the system.

One versions of the Leonardo DR nano system are available:

- **Leonardo DR nano 1417:** mobile X-ray system with wireless X-ray detector, format 35 x 43 cm

System benefits

Wireless: quickly deployable and hassle free

Small: weight only approx. 9 kg (including laptop, accessories and detector), easy to transport – space-saving placement of the system components in a sophisticated, sturdy backpack

Quick to set up – once on site, the X-ray solution can be assembled quickly and easily

Flexible: backpack can also be converted into a carrying bag – shoulder straps can be hidden quickly and easily

Perfectly packaged: tidy and safe transport - components are stored in precisely fitting compartments that can be closed separately, all-round, robust insulation material has a shock-absorbing effect.

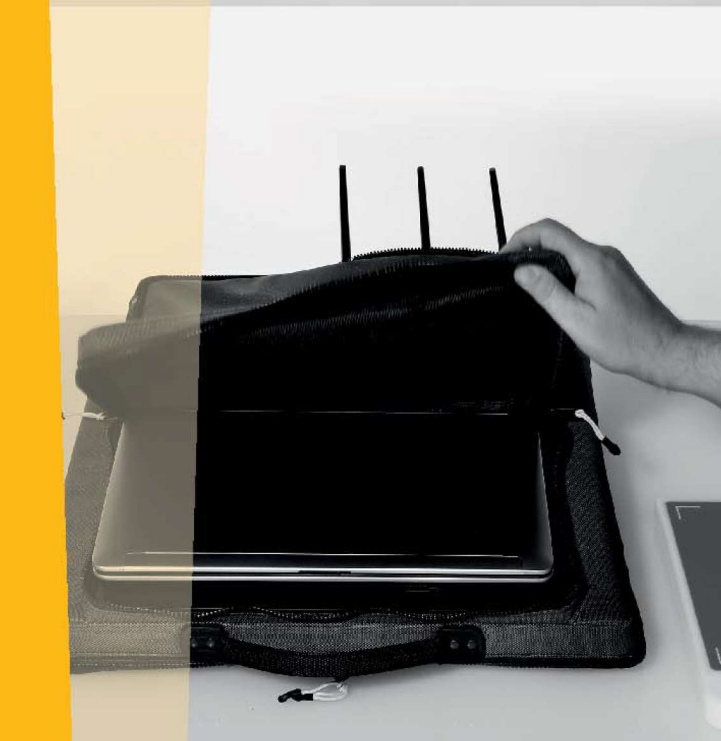
Excellent: high-quality X-ray detector based on a caesium iodide (CsI) scintillator – top image quality even at low X-ray doses

User-friendly: self-explanatory OR Technology acquisition software *dicomPACS®DX-R* including free special measurement functions

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

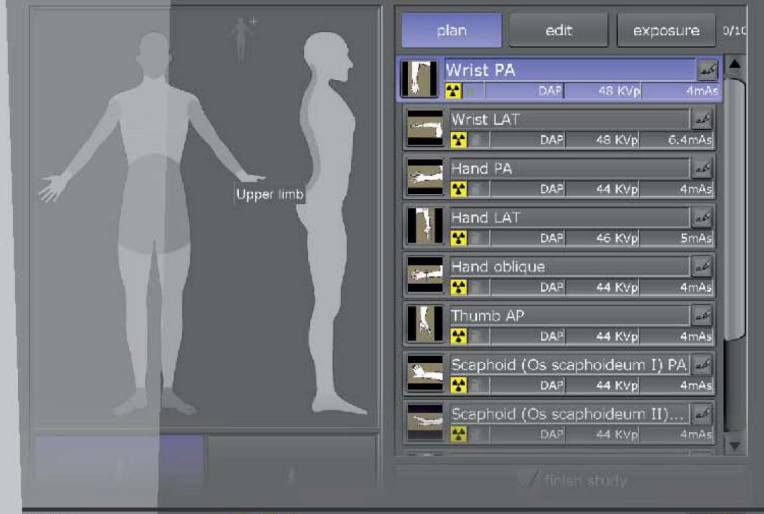
Cleverly designed: integrated X-ray positioning guide helps choose the perfect positioning for each examination inclusive helpful photos, videos and correct X-rays images

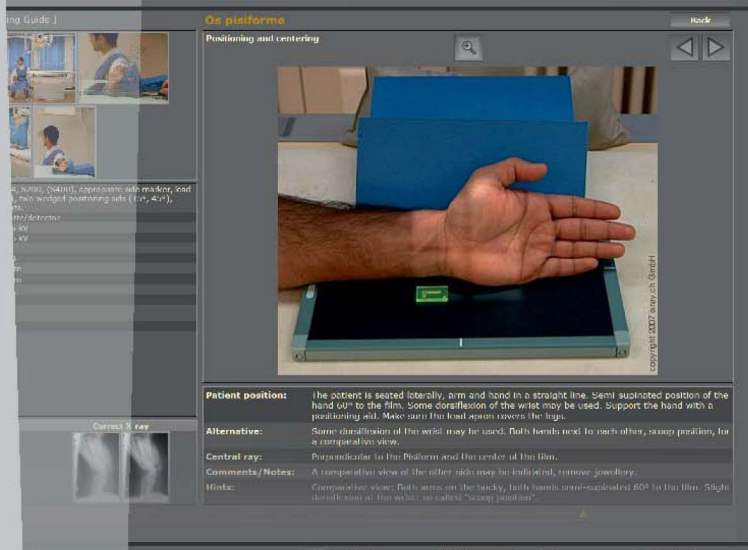
Accessibility: integrated diagnostic software offers a worldwide, fast and cost-effective exchange of information (via cloud or email) – fastest possible diagnosis by a specialist if necessary

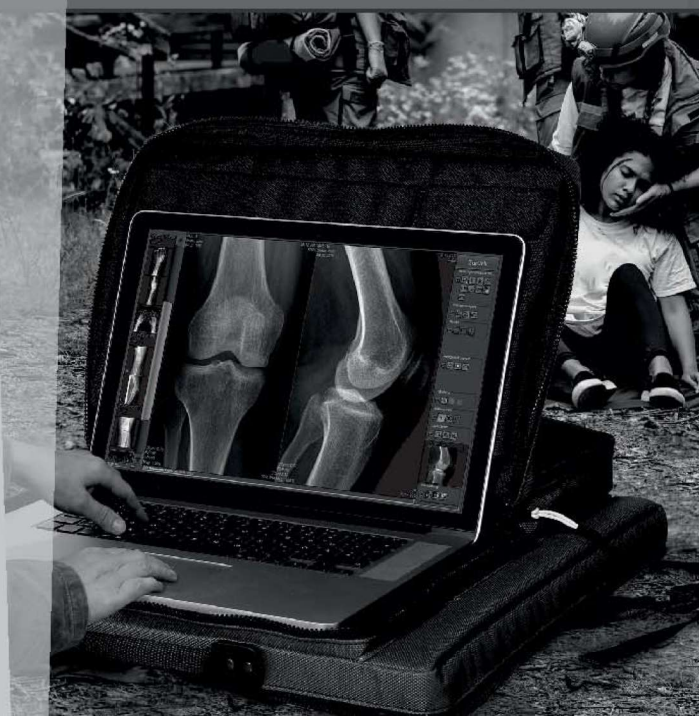


Advantages of professional acquisition software

- 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
- 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







Dimensions

Safe and sound:

- Sufficient space for the 14" x 17" flat panel detector with or without a protective cover and tablet PC
- Weight: only approx. 9 kg (complete with notebook, accessories and 14" x 17" flat panel detector)
- External dimensions 50 x 49 x 12 cm
- Padded and fitted with a sturdy protective frame
- Water repellant – safe in rainy conditions
- Many additional compartments to store the detector's battery charger, power cable of the tablet PC and otheraccessories
- Including shoulder strap (can be used as handle bag – the straps can be stored)

Standard components of the **Leonardo DR nano**

Transport backpack incl. accessories bag for chargers

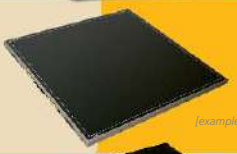
- *For 14" x 17" detectors with or without protective cover*
- *External dimensions 50 x 49 x 12 cm*
- *Padded and fitted with a sturdy protective frame including shoulder strap*
- *All important accesories have their own custom-fit compartments with separate closure*

Tablet PC or Notebook

SSD hard disk, 17" or 15" high-resolution display depending on equipment, Intel ® CPU, at least 8 GB RAM, USB 3.0, Wireless LAN

Direct radiography detector 35 x 43 cm (14" x 17") wireless

Wireless X-ray imaging! Fits into an existing X-ray system without requiring modification (in conformity with the X-ray film cassette), fast charging, long life batteries



Battery charger including batteries

- *fast charging, long life batteries, including battery charger*
- *charging time of battery: 3 hours*

Leonardo DR nano software package

with dicomPACS® DX-R, professional console software with modern graphical user interface including basic software package *and integrated radiographic positioning guide for each examination, inclusive:*

- *dicomPACS® DX-R DICOM Send SCU*
- *dicomPACS® DX-R DICOM Patient CD*
- *dicomPACS® DX-R Cognition Optimised Processing*

Optional components to upgrade the Leonardo DR nano system

Portable X-ray detector bracket

- *Height adjustable, suitable for taking almost any X-ray images of standing + sitting patients*
- *The X-ray detector, placed in its protective cover, can be safely attached to the mounting bracket*
- *The detector bracket, folded up to save space, fits into the Leonardo carry bag*

Protective housing for the detector (for patients in a standing position)

- *Protective housing for 14" x 17" detectors*
- *Maximum surface load of 1,040 kg on the entire imaging area*
- *Maximum point load of 146 kg per mm*

Protection case

Available in various sizes for detectors 35 x 43 cm (14" x 17") and 24 x 30 cm (10" x 12"), including or excluding grid

Amadeo P high-frequency X-ray units

Portable high frequency X-ray units for high-quality X-ray images: Low weight and user-friendly operation enable various fields of application indoors and outdoors

Specifications subject to revision without notice

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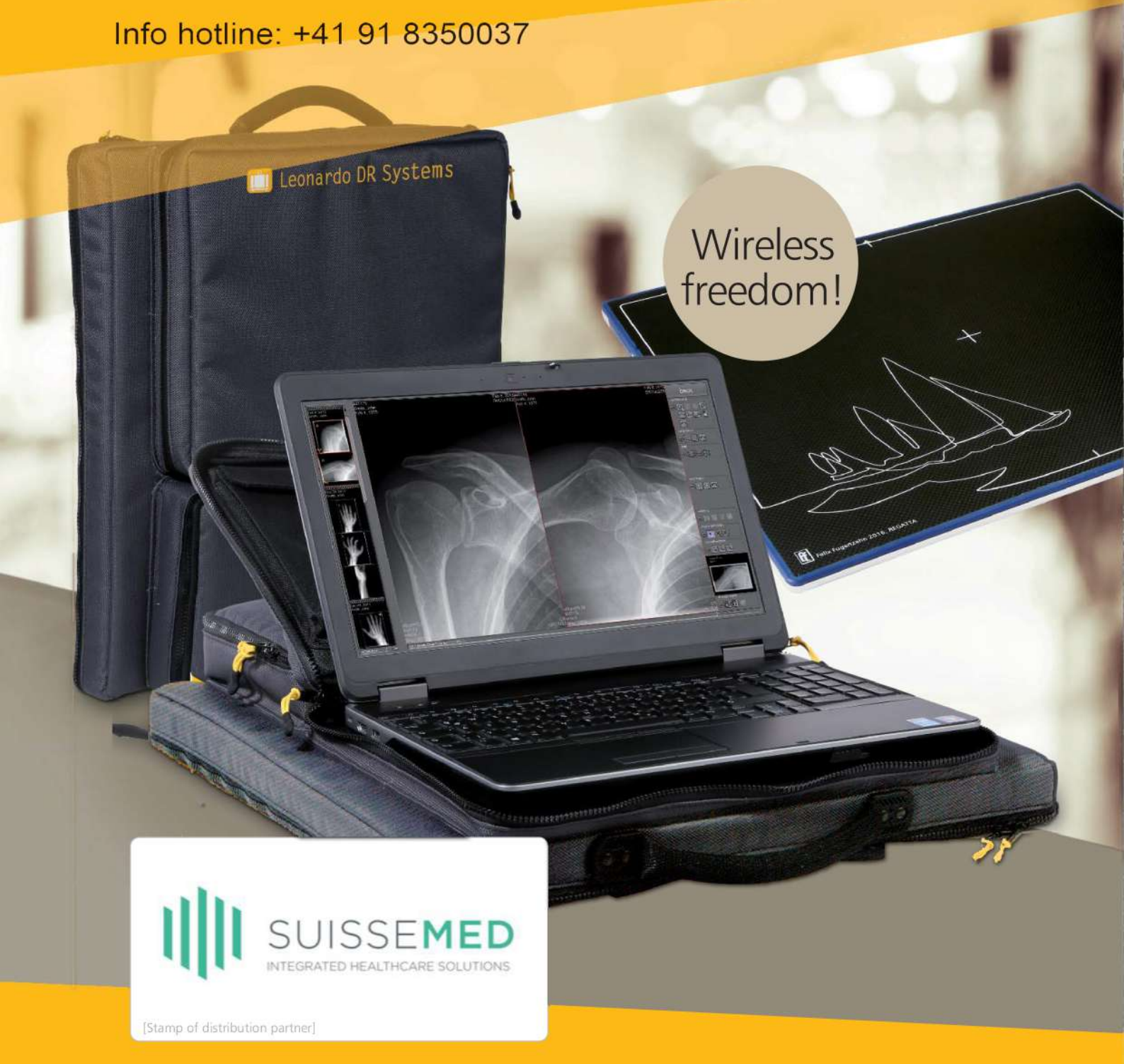

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