



# Leonardo DR nano

## Amazingly light X-ray system in a backpack

### X-ray system in a well-designed and sturdy backpack - with only a flat panel detector and tablet PC

The space-saving X-ray solution is stowed in a sturdy backpack (also usable as a carrying bag). Weighing only about 9 kg in total (complete package, bag incl. tablet PC/notebook, accessories and 14" x 17" flat panel detector), the Leonardo DR nano can easily be transported anywhere. Thanks to its low weight and compact build, the Leonardo DR nano system can be used almost anywhere - in veterinary practices, equine clinics and teaching hospitals.

Battery operated portable X-ray generators with a total weight of as little as 6.8 kg complete the system. The X-ray solution can be assembled quickly and easily on site.

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.

One versions of the Leonardo DR nano system are available:

- **Leonardo DR nano:** 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

**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

**Remote controlled:** work comfortably with *dicomPACS®DX-R remote control* - use your smartphone as a remote control device for taking and viewing images during the X-ray procedure (see video link)

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

**Accessibility:** integrated diagnostic software offers a worldwide, fast and cost-effective exchange of information (via cloud or email)

**One of a kind:** Special analysis tools for MMP (Modified Maquet Procedure) HD measurements (AI-based), TTA, TPLO, heart diagnostics, etc. are provided at no extra cost

**Well documented:** professional software for detailed and comprehensive documentation of X-ray services during horse purchase examinations according to "X-ray guideline 2018" (only for Germany)





## Dimensions



## Well packed:

- Sufficient space for the 14" x 17" flat panel detector with or without a protective cover and tablet PC/notebook
- Weight: only approx. 9 kg (complete with tablet PC/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 repellent – safe in rainy conditions
- Many additional compartments to store the detector's battery charger, power cable of the tablet PC and other accessories
- Including shoulder straps (can be used as handle bag – the straps can be stored)



The product video of **Leonardo** system you can be found here: [www.or-technology.com/leonardo-nano-video](http://www.or-technology.com/leonardo-nano-video)



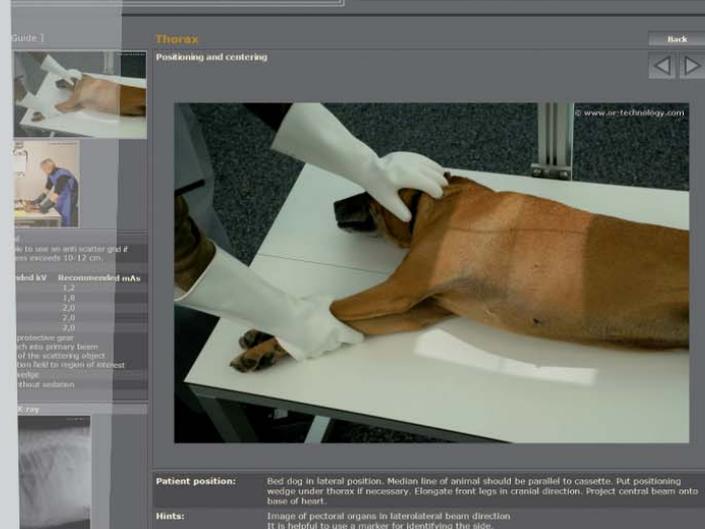
Video for wireless remote control of the system via your smartphone (via app) under [www.or-technology.com/DX-R-remote-control-video-vet-en](http://www.or-technology.com/DX-R-remote-control-video-vet-en)



More information about **Leonardo DR nano** systems you can be found here: [www.or-technology.com](http://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 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 **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 dialog box for patient and owner data, **integrated hip dysplasia measuring (AI-based)**, **MMP**, **TTA**, **TPLO** and **vertebral heart score (Buchanan)**, **special image filters**, **multigenerator 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**



# 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 accessories 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



(Example)

## Battery charger including batteries

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



(Example)

## 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

### Wireless remote control

Possibility of wireless control of the digital X-ray system with the app "dicomPACS=DX-R remote control" via smartphone or tablet incl. display of the worklist, preview of the captured image to check the shot etc. - directly from the app a shot can be repeated or a new one can be planned



### Holders for smartphone (Apple)

Choice of two types of holders available for taking and viewing images:

- Upper arm cuff
- Bracket for portable X-ray generator

### Protection case

Delivery with or without 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 in small animal practices and equine clinic



## Specifications subject to revision without notice

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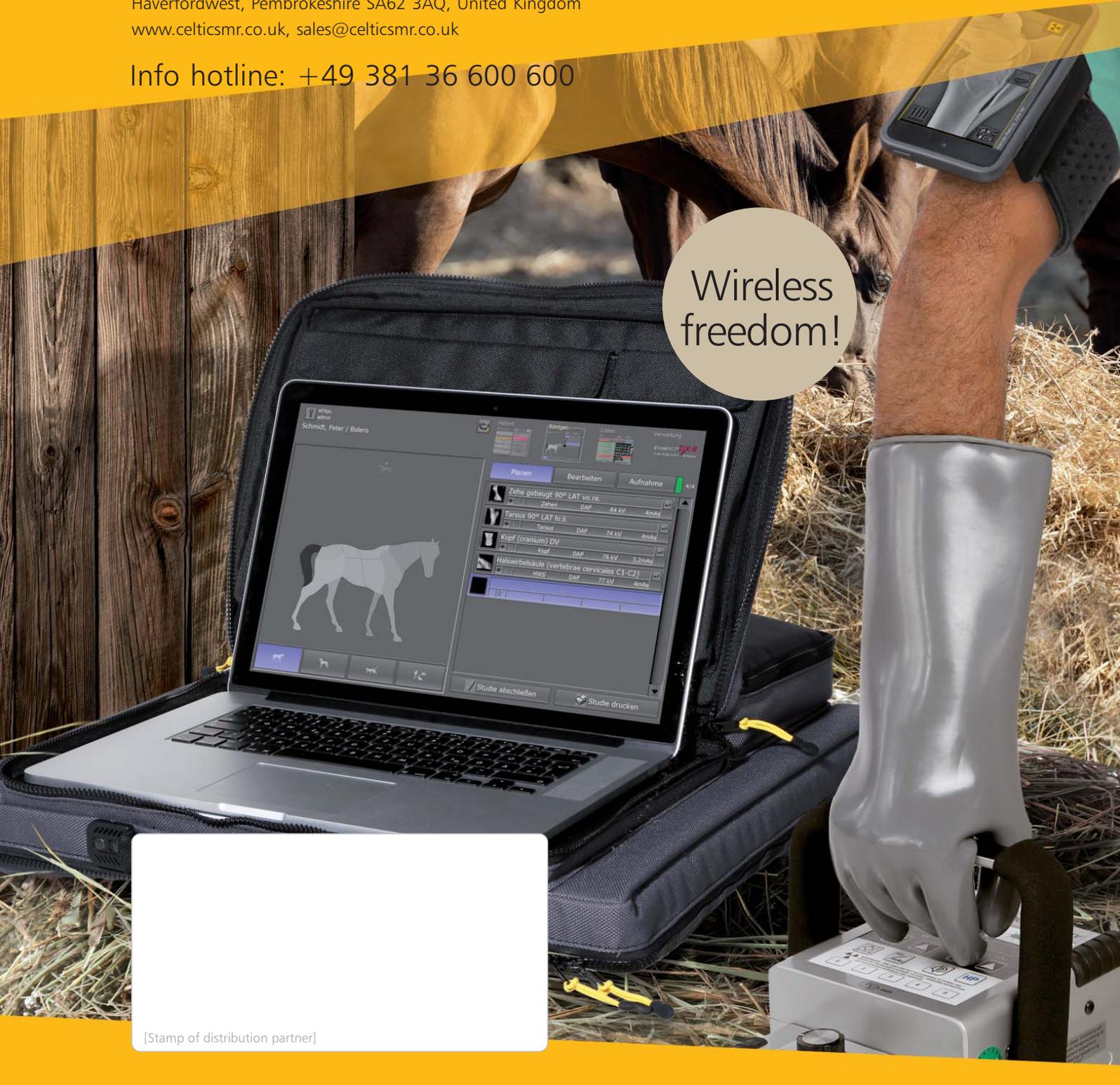


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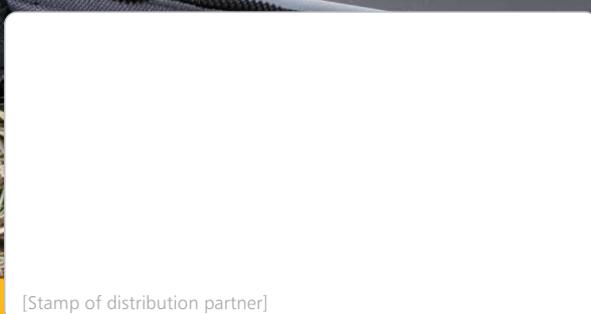
OR Technology (Oehm und Rehbein GmbH), 18057 Rostock, Germany, Neptunallee 7c  
Tel. +49 381 36 600 500, Fax +49 381 36 600 555  
www.or-technology.com, info@or-technology.com

OR Technology UK: Celtic SMR Ltd., Frederick House, Hayston View, Johnston  
Haverfordwest, Pembrokeshire SA62 3AQ, United Kingdom  
www.celticsmr.co.uk, sales@celticsmr.co.uk

Info hotline: +49 381 36 600 600



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