

# Leonardo DR nano

## The light X-ray system in the backpack for the NDT sector

### The portable X-ray backpack system for radiographic testing - only with flat panel detector and tablet PC

OR Technology's portable and digital Leonardo DR nano delivers high-quality X-ray images perfect for detecting even the smallest deviations during daily inspections. The portable and robust complete system weighs only approx. 9 kg and is your best bet for quick and reliable X-ray imaging at even the most remote locations. The Leonardo DR nano consists of only two components: a wireless X-ray detector and a laptop with the professional acquisition and analysis software, ORinspect.

Getting tangled up in annoying cables is a thing of the past! The Leonardo's straightforward user interface makes it easy for staff to generate excellent X-ray images. The Leonardo DR nano system is also well suited for use in confined spaces. The X-ray unit and detector have a wireless connection to the software on the laptop. The X-ray detector and laptop can be stationed up to 10 m apart and still function optimally.

One version 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

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

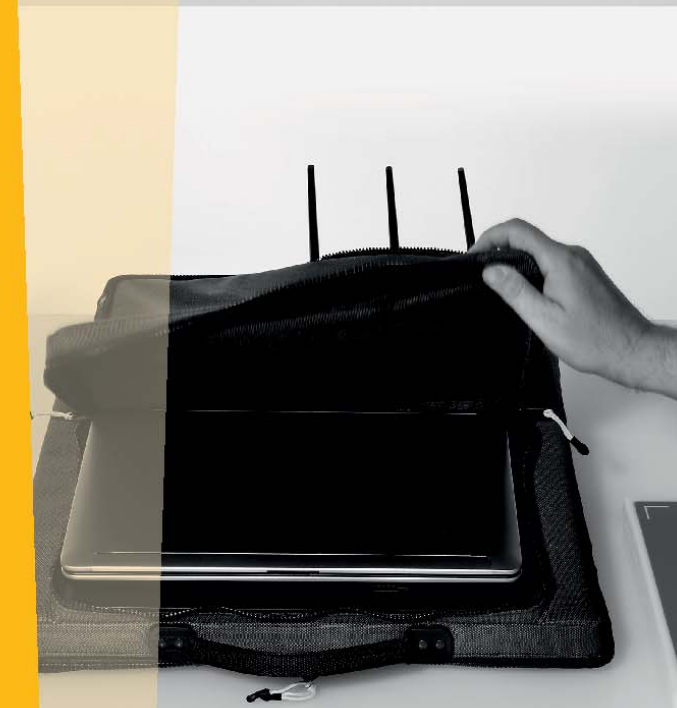
**Perfectly** packaged: tidy and safe transport - components are stored in precisely fitting compartments that can be closed separately, all-round robust insulation material has a shock-absorbing effect.

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

**User-friendly:** self-explanatory OR Technology acquisition and control software ORinspect for non-destructive testing – easy operation even with changing personnel

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

**Accessibility:** integrated acquisition and control software offers a worldwide, fast and cost-effective information exchange (via cloud or email) – in compliance with all safety regulations





## 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 other accessories
- Including shoulder strap (can be used as handle bag – the straps can be stored)



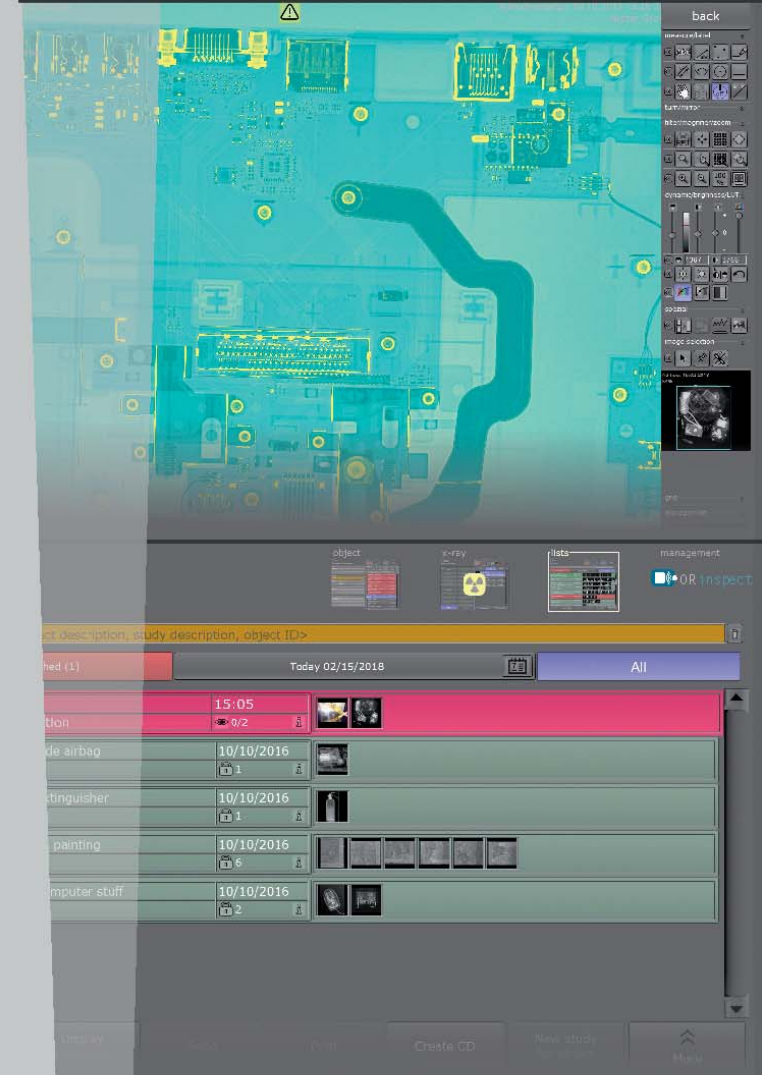
The product video of Leonardo system you can be found here: [www.or-technology.com/leonardo-nano-video](http://www.or-technology.com/leonardo-nano-video)



More information about Leonardo DR nano can be found here: [www.or-technology.com](http://www.or-technology.com)

# Advantages of acquisition and control software **OR** inspect

- Modern graphical user interface (GUI) adaptable to almost any language, **touchscreen** operation – to ensure quick and efficient work and a smooth workflow
- Free configuration** of testing objects already in the system (stipulations for testing images incl. X-ray value settings)
- Safe and quick **registration of ad hoc tests/inspections** (spontaneous test without detailed advance planning)
- Allows **switching between planned examinations** of a test object
- Images can be appended** to records even **after examinations** are complete
- User-defined macros** for recurring examinations
- To document the testing/inspection setup, **photos** can be attached to the test images
- Wireless remote control** of digital X-ray system, with display of worklist, image thumbnails and much more...
- Intuitive **multi-image concept** for SNR improvement
- Automatic and manual **stitching** (combination of several images)



# 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



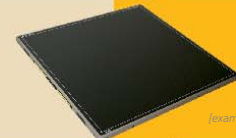
## Tablet PC or Notebook

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 ORinspect, the professional acquisition and control software for the non-destructive X-ray testing with modern graphical user interface with basic software included:

- ORinspect DICONDE Send SCU
- ORinspect DICONDE Object CD
- ORinspect Cognition Optimised Processing



## Optional components to upgrade the Leonardo DR nano system

### 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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# OR Technology

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