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.

Two versions of the Leonardo DR nano system are available:
- **Leonardo DRw 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 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

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

More information about Leonardo DR nano can be found here: www.or-technology.com

**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)
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)

Detailed information can be found at [www.or-technology.com](http://www.or-technology.com)
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
CPU Intel®, 8 GB RAM, 256 GB hard drive, 1920 x 1080 resolution, 15.6" display; USB 3.0, wireless LAN 802.11 b/g/n

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 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

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