Leonardo DR nano
The lightweight X-ray backpack solution for security operations

The portable X-ray backpack system for radiographic testing in the security sector (e.g. EOD / IOD) - only with flat panel detector and tablet PC

OR Technology's portable and digital system Leonardo DR nano delivers high-quality X-ray images ideally suited to detect even the smallest deviations during security operations.

Wireless, compact, lightweight, well-stowed and excellent image quality all describe the portable Leonardo DR nano system. The system weighs only approx. 9 kg and consists of two components: a wireless X-ray detector and a laptop/tablet PC plus accessories. The laptop (optionally tablet PC) complies with the latest standards and is equipped with the professional acquisition and control software, ORsecure. The Leonardo's straightforward user interface makes it easy for staff to generate excellent X-ray images. The unit is extremely versatile due to its low weight, compact design and practical carrying case.

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 compart-ments 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 exchange of information (via cloud or email) – in compliance with all safety regulations

Dimensions

ca. 49 cm

ca. 50 cm

ca. 12 cm

Leonardo DR Systems

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. 8 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**
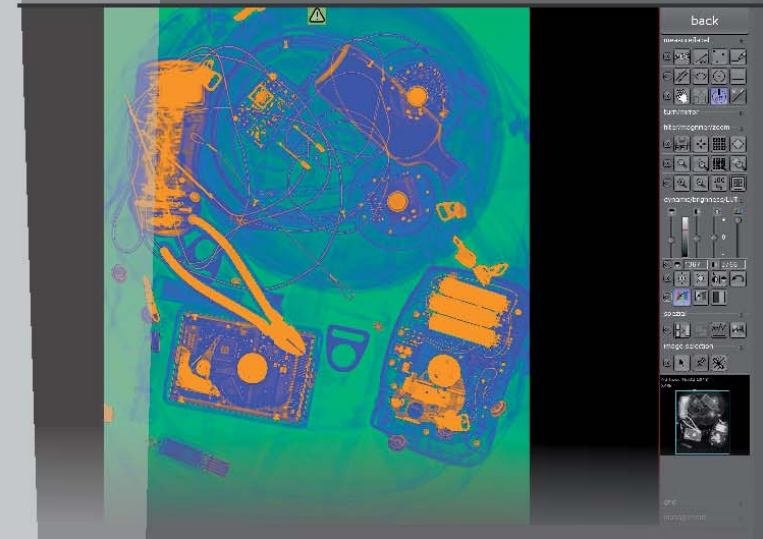
More information about **Leonardo DR nano** can be found here: **www.or-technology.com**

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 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

[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
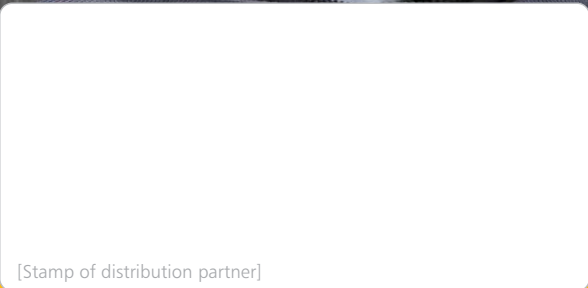
☺ OR Technology

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