Leonardo DR mini II
Lightweight X-ray suitcase system

The compact suitcase solution for small medical stations and mobile use in medical emergencies
The newest model in our Leonardo series, the compact and versatile Leonardo DR mini II, combines X-ray detector technology with a high-performance acquisition and diagnostic software. Weighing only 8.9 kg, the system is one of the lightest suitcase X-ray solutions worldwide. The suitcase system is the perfect solution for both stationary and portable radiography for small medical stations, for the homecare sector or for health care within the scope of missions of various medical services, aid organisations or NGOs.

The Leonardo DR mini II is quick to set up and easy to use. Its built-in 17" premium notebook with high resolution touchscreen monitor as well as integrated acquisition and diagnosis software guarantees excellent image display. The possibility of diagnosis supported by an **automatic, AI-assisted thorax screening** by a qualified third-party provider is optional included in the software.

The X-ray suitcase has two large LEDs clearly visible even from a distance of several meters. These LEDs indicate the software status, such as "Ready to expose". In addition, a signal tone indicates status changes. The software provides global, rapid and inexpensive consultations via *ORCA*® cloud services or email. In an emergency, X-ray images can be transferred to a specialist for an exact diagnosis if there is no specialist on site.

Two versions of the system are available:
- **Leonardo DR mini II:** mobile X-ray system with wireless X-ray detector, format 24 x 30 cm
- **Leonardo DR mini II:** mobile X-ray system with wireless X-ray detector, format 35 x 43 cm

System benefits

Ingeniously designed: wireless and battery-powered – designed for use in confined spaces as well as in the field

Wireless: battery-operated system can run continuously for over four hours – providing flexibility and maneuverability in difficult environments

Compact: weighing only approx. 8.9 kg, the case fits behind any car seat

Practical: 17" laptop can easily be removed from its secured location within the case – for use in an optimal ergonomic position or as a tablet during presentations

Visible and audible: Software status display via large 4-colour LEDs on the corners of the suitcase and audio output on status change

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 as well as integration into your existing patient management system

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

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)

One of a kind: safe and quick registration of emergency patients and user-defined macros for recurring examinations, e.g. thorax screenings

Detailed information can be found at **www.or-technology.com**

Dimensions

ca. 39,5 cm

ca. 49 cm

Automatic HD measurement, based on Artificial Intelligence

[further tools in development]

Now with **AI**

The 17" laptop can easily be removed from its secured location within the case and can **be used as a tablet during presentations.**

ca. 17 cm

ca. 42 cm

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**, such as **AI-supported and automatic thorax screening**, 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
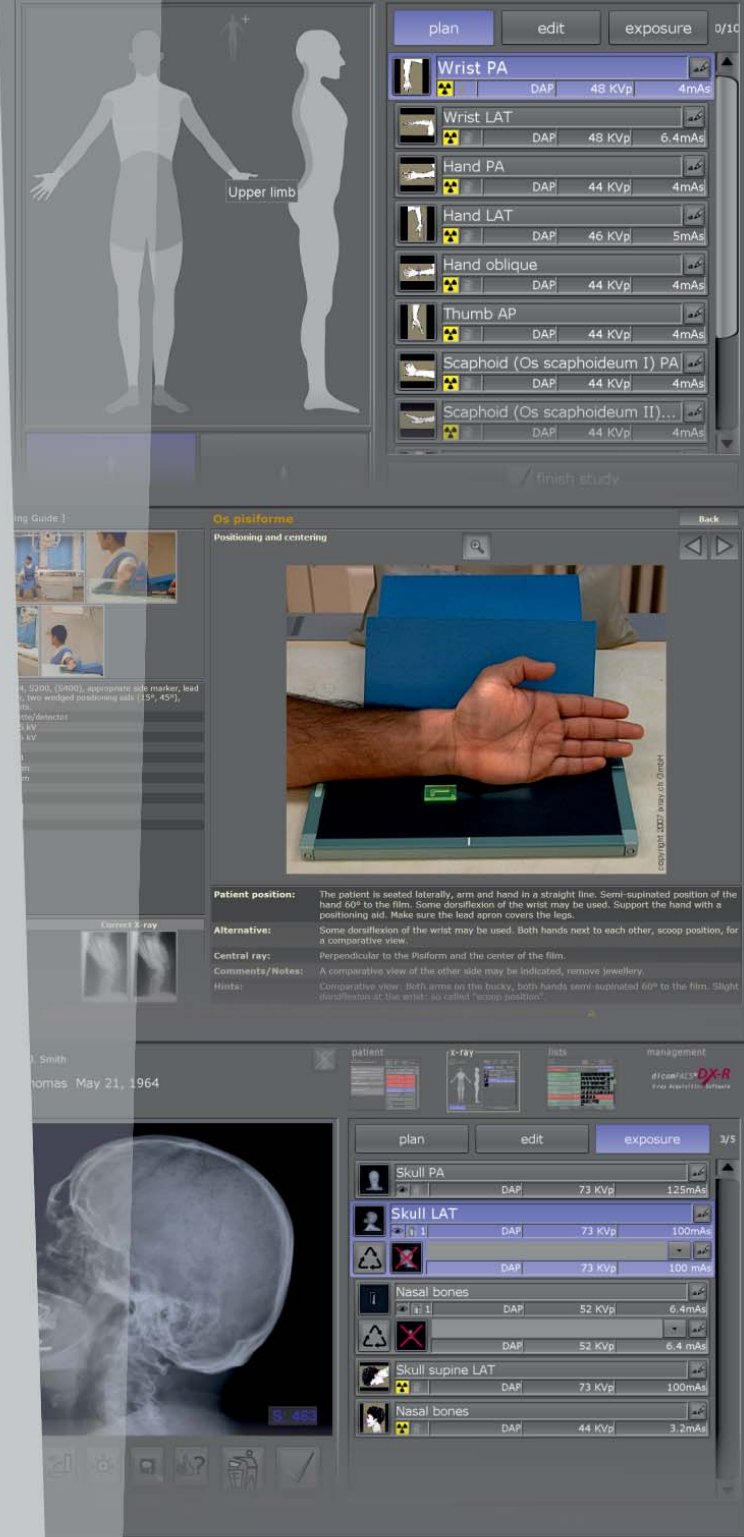
Standard components of the **Leonardo DR mini II**

Compact and light suitcase
including shoulder strap, total weight: 8.9 kg (including the complete suitcase, notebook, power supply and electronics), size: ca. 49 x 39.5 x 17 cm

Notebook
Convertible 2-in-1 premium notebook with large monitor, newest 8th generation Intel® Core™ i7 processor, 16 GB RAM, 17,3" full HD touchscreen monitor, keyboard with background lighting, SSD hard disk 128 GB

Flat panel detector
24 x 30 cm (10" x 12") 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]

Flat panel 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]

Flat panel detector CsI
35 x 43 cm (14" x 17")*
Detector with excellent image quality and immediate image availability

[example]

* Various types of flat panel on request

Leonardo DR mini II 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, including:
- *dicomPACS®DX-R DICOM Send SCU*
- *dicomPACS®DX-R DICOM Patient CD*
- *dicomPACS®DX-R Cognition Optimised Processing*

Extension for battery operation
Allows working without power connection up to an average of 4-6 hours in normal mode

Optional components to upgrade the Leonardo DR mini II system

Wireless synchronisation with any X-ray generator

Protection Case 1210 and 1417
Available with or without grid

Transport bag for 35 x 43 cm flat panel   *Size: 55.5 x 49 x 6 cm*
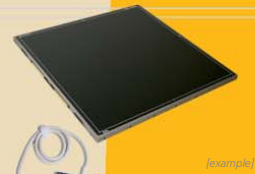
Wireless remote control
Possibility of wireless control of the digital X-ray system with the app "dicomPACS®DX-R remote control" via smartphone or tablet incl. display of the worklist, preview of the captured image to check the shot etc. - directly from the app a shot can be repeated or a new one can be planned

Amadeo P high frequency X-ray system
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 clinics

Mobile, digital X-ray system Amadeo M mini
Lightweight, portable and digital complete X-ray solution – all-terrain and rotates on the spot

Specifications subject to revision without notice

☺ OR Technology

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