



 OR Technology

The **gold standard**  
among the X-ray cases  
for human medicine

## Leonardo DR mini III

### Large images

Anti-glare 21.5" (54.6 cm)  
Full HD touchscreen monitor

### Extremely long battery life

Up to 500 shots without charging

### Very low case weight

Despite large HD monitor  
only 9.5 kg (plus detector)

### Razor-sharp X-ray images

thanks to globally proven image  
processing

### Flexible detector sizes

Sufficient space for all 25 x 30 cm  
and 35 x 43 cm X-ray detectors  
incl. protection box



# Leonardo DR mini III

## The **gold standard** for medical services, disaster protection and homecare services



The case can be comfortably transported by the **handle** or with the **carrying strap**



Easy removal of the X-ray detector from the **padded transport compartment**

**Anti-glare 21.5" (54.6 cm) Full HD touchscreen monitor** for large X-ray images and comfortable diagnosis

**Intuitive operation** via *dicomPACS® DX-R* acquisition software with **integrated radiographic positioning guide** for each examination incl. comprehensive notes, photos, videos etc.



Power pack can also be operated with **external power pack** without batteries\*

*\*only for emergency operation*

**Intelligent power saving mode** by folding down the monitor → You can continue working immediately within a defined time frame or the system shuts down automatically



The integrated monitor is brought into the working position with a flick of the wrist

Robust, **extremely durable suitcase** made of the latest high-tech composite material with shock-absorbing edge reinforcement, splash-proof (IPX4)



Optional **wireless remote control** of the system via your smartphone using an app

**Unbeatable image quality** through automatic, intelligent image processing

**Very low case weight** of only 9.5 kg with large Full HD touchscreen monitor (without detector)



Sufficient space for all **25 x 30 cm** and **35 x 43 cm** X-ray detectors incl. protection box

Optional **accessory bag** for transport-safe packaging of spare batteries, chargers, etc.



**USB connection**

**Standard PC keyboard**



**Replacing the batteries during operation**, no need to shut down the system

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

System enables continuous, **cordless work for 8 hours with up to 500 X-ray exposures** (in double-battery operation; 18 Volt / 5 Ah)

Unlimited  
duration  
possible

## Long running times through intelligent battery concept

**A completely new concept for the power supply was developed for this X-ray case. It allows you to choose the batteries depending on the purpose so that you can X-ray for 3.5 or 8.5 hours or unlimited.**

Batteries can be changed during operation.

→ **Advantage:** No shutdown of the system is necessary.

Batteries are not discharged when the case is switched off.

→ **Advantage:** Case is ready for immediate use, even if it has not been used for a long time.

Unit automatically switches to stand-by mode when the lid is closed.

→ **Advantage:** After changing the location, the computer does not have to be restarted.

The standard rechargeable batteries can be bought in almost any DIY store worldwide.

→ **Advantage:**

- no expensive special parts with complex logistics
- choice of large or small batteries possible - thus saving weight at the expense of running time can be realised
- With low financial investment, several batterysets can be used and, depending on requirements, an unlimited runtime can be achieved



### Battery set (small)

18 Volt/2 Ah for a runtime of approx. 3.5 hours and approx. 200 X-ray exposures (0.35 kg/battery)



### Battery set (large)

18 Volt/5 Ah for a running time of approx. 8.5 hours and approx. 500 X-ray exposures (0.62 kg/battery)

# Almost indestructible 35 x 43 cm CsI detector without glass carrier

## World's first CsI X-ray detector with flexible substrate\*

The robust XenOR 35-100WF-flex X-ray detector was developed with a flexible carrier material (no glass). It has a 100  $\mu\text{m}$  pixel pitch with direct CsI coating and thus guarantees the highest resolution for razor-sharp and detailed images.

- integrated battery charging function
- reliable, power-saving iAED
- weight only approx. 2.7 kg
- withstands drop heights of 120 cm without damage
- has a nearly order almost waterproof housing (IP56).
- battery charge lasts for more than 8 hours

Further sizes and variants on request

# Shockproof casing for the X-ray detector including protective cover

**The case lid offers sufficient storage space for the protected transport of a 35 x 43 cm X-ray detector including a protection case.**

X-ray detectors up to a size of 35 x 43 cm find a well-padding place in the top shell of the case. You can loosen the fastening with one hand and remove the detector safely.

The transport compartment has been designed to allow enough space for the protective cover (incl. handle) of your detector. This way, your detector is optimally protected from all environmental influences.



World  
first

\*available from 1<sup>st</sup> quarter 2024



# 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



All advantages  
at a glance



## Leonardo DR mini III

# Standard components



### Compact, lightweight X-ray suitcase

- Extremely durable case made of the latest high-tech composite material with shock-absorbing edge reinforcement, splash-proof (IPX4), lockable
- Total weight: approx. 9.5 kg (includes complete X-ray case, monitor and electronics, plus X-ray detector)
- Anti-glare 21.5" full HD touch screen monitor and standard PC keyboard
- High-performance PC with current Windows version
- Carrying strap for comfortable transport
- LED status display of the entire system in 4 colours
- Padded transport compartment for one detector, max. 14" x 17"
- Dimensions: approx. 545 x 515 x 194 mm (W x D x H)
- Connections: 1 x USB, 1 x LAN, 1 x WLAN, 1 x Bluetooth, 1 x DC socket



### CsI X-ray detector

25 x 33 cm (13" x 10") wireless

Wireless X-ray!

World's first CsI X-ray detector with flexible substrate - almost indestructible

or

### CsI X-ray detector flex

35 x 43 cm (14" x 17") wireless

Various types of X-ray  
detectors on request

Wireless X-ray!

Caesium iodide scintillator (CsI), best image quality in clinical use - even at low X-ray doses, fast-charging, long-life rechargeable batteries, battery charger included



### Leonardo DR mini III 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



### Battery set (optionally small or large)

- Battery set (small) 18 Volt/2 Ah for a runtime of approx. 3.5 hours and approx. 200 X-ray exposures (0.35 kg/battery)
- Battery set (large) 18 Volt/5 Ah for a running time of approx. 8.5 hours and approx. 500 X-ray exposures (0.62 kg/battery)

## Optional components for the Leonardo DR mini III 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: Control of the process, e.g. checking or deleting images - attached to the arm or the X-ray generator, it serves as a control element



### Protection case 1417

Dimensions 47.9 x 46.7 x 2.54 cm (W x H x D), weight approx. 1.35 kg

### Accessories bag

for transport and storage of spare batteries, chargers, cables, power supply etc.



### Amadeo P high-frequency X-ray units

Portable monobloc X-ray units for high-quality X-rays: Low weight and simple operation guarantee versatile use

### Specifications subject to revision without notice

The editor strives to impart correct and up to date information. The provided specifications are based on current knowledge and are subject to revision without notice. This brochure is subject to correction. The editor assumes no responsibility for the information being up to date, correct and complete.

All furnished logos, pictures and graphics are property of the particular company and subject to copyright of the licensor. Use, dissemination, distribution or copying of the pictures, logos or text compiled or processed by the editor is subject to our written consent. All rights reserved.

# OR Technology

[www.or-technology.com](http://www.or-technology.com) | X-perts in X-ray



Headquarters:

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](http://www.or-technology.com), [info@or-technology.com](mailto: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](http://www.celticsmr.co.uk), [sales@celticsmr.co.uk](mailto:sales@celticsmr.co.uk)

Info hotline: +49 381 36 600 600



Detailed information on the Leonardo DR mini III  
can be found at [www.or-technology.com](http://www.or-technology.com)

[Stamp of distribution partner]