# Leonardo DR mini II
## The X-ray suitcase for mobile security applications

**The portable X-ray system in the service of anti-terrorism measures, forensic science investigations and civil defence activities**

The newest model in our Leonardo series, the compact and versatile Leonardo DR mini II, combines X-ray detector technology with the high-performance acquisition and control software ORsecure for radiographic inspections. Weighing only 8.9 kg, the system is one of the lightest suitcase X-ray solutions worldwide.

The Leonardo DR mini II is optimised for stationary as well as mobile use and easy to operate. Its built-in 17" premium notebook with high resolution touchscreen monitor as well as integrated acquisition and control software, can be operated via touchscreen and mouse and guarantees excellent image display. The professional high-performance image processing is adaptable to individual users' and material-specific requirements and ensures outstanding image quality.

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

**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 **OR**secure for non-destructive testing

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

**Accessibility:** integrated software offers a worldwide, fast and cost-effective exchange of information (via cloud or email)

# Dimensions

The 17" laptop can easily be removed from its secured location within the case and can **be used as a tablet during presentations.**
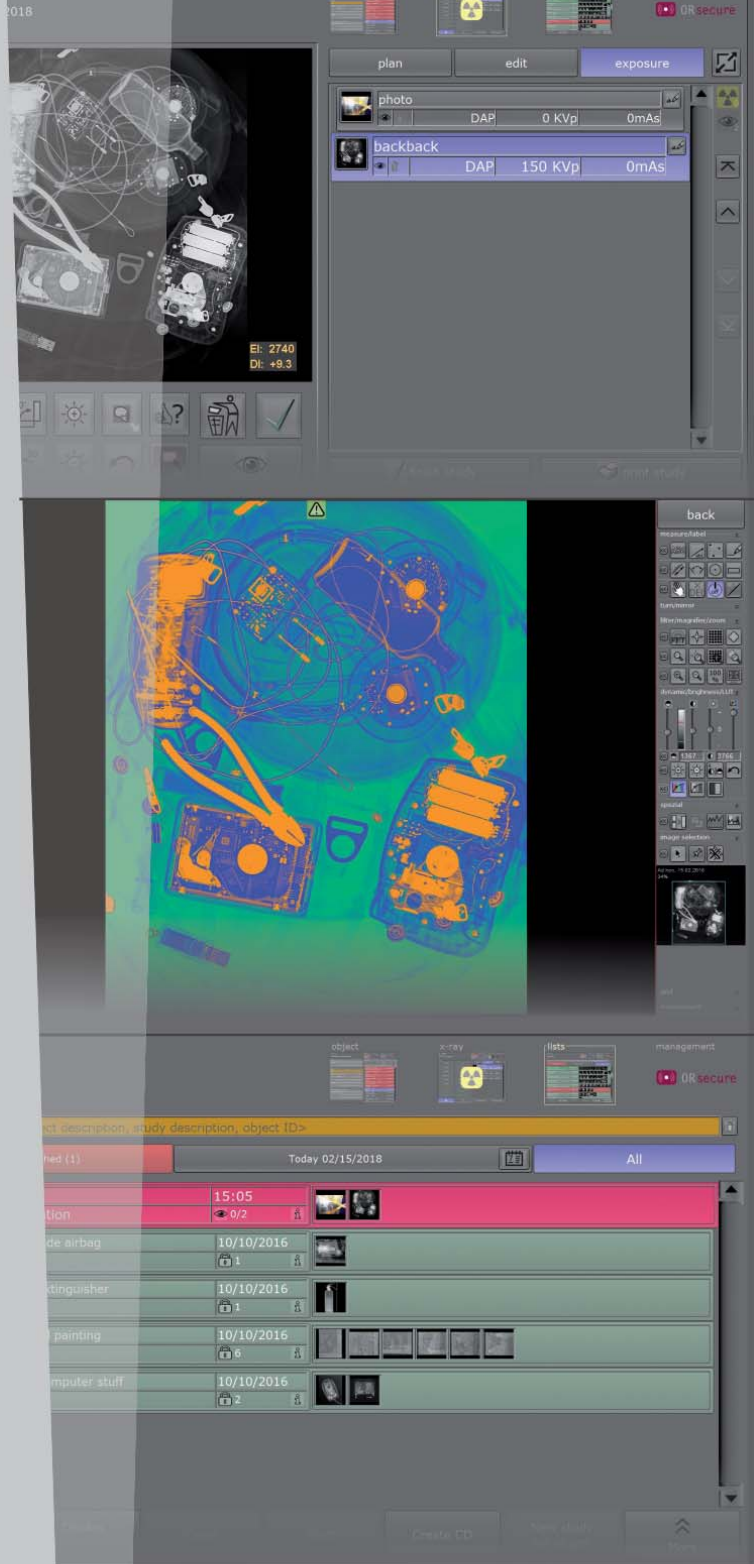
ca. 39,5 cm

ca. 49 cm

ca. 17 cm

ca. 42 cm

# Advantages of acquisition and control software

- 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 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 18.5 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 512 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 incl. battery charger*

[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 incl. battery charger*

[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 ORsecure, the professional acquisition and control software for the non-destructive X-ray testing with modern graphical user interface with basic software included:*
- *ORsecure DICOS Send SCU*
- *ORsecure DICOS Object CD*
- *ORsecure 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*
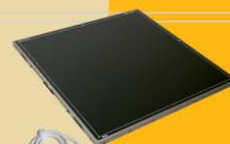
### Transport bag for 35 x 43 cm flat panel
*Size: 55.5 x 49 x 6 cm*
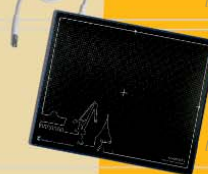
### Amadeo P high frequency X-ray system

*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*
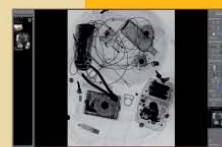
# OR Technology

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