OR Technology

The **gold standard**
among the X-ray cases
for veterinary 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 lightweight
Despite large HD monitor only 9.5 kg (plus detector)

Razor-sharp X-ray images
thanks to globally proven image processing

Hard-wearing detector
25 x 33 cm, almost unbreakable due to flexible carrier material (no glass), CsI scintillator and 100 μm resolution*

*other detectors possible, e.g. for mixed practices

Leonardo DR mini III

The **gold standard** for equine and mixed practices

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 image display and viewer comfort diagnosis

Intuitive operation via *dicomPACS® DX-R* acquisition software with **integrated X-ray positioning guide** - separated according to animal species (horse, dog, cat, etc.)

Power can also be supplied with an **external power pack** without the need for batteries*

** suitable for emergency mode only*

Professional software for detailed and complete **documentation of X-ray services for horse purchase examinations**

according to the „X-ray Guide 2018" (optional)

Intelligent power saving mode - fold down the monitor for standby and continue immediately within a certain time frame. System shuts down automatically if not re-opened.

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)

USB connection

Status display of the overall system in 4 colours for direct visualisation of the workflow

Standard **PC keyboard**

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

Optional **wireless remote control** of the system via your smartphone using an app (see video link on the back)

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 a **25 x 30 cm** or **35 x 43 cm** detector incl. protection box

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

Special vet measuring methods and macros available for recurring examination procedures, e.g. open angle for laminitis, purchase examination etc.

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

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

Long running times through intelligent battery concept

A completely new concept for the power supply has been developed for the Leonardo DR mini III, allowing you to choose the batteries. Depending on intended use, you can X-ray for 3.5, 8.5 or unlimited hours.

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 is possible enabling user to save weight or extend running time as required.
- With low financial investement, 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 25 x 33 cm CsI detector without glass carrier

World's first CsI X-ray detector with flexible substrate - specially developed for imaging in horses

The compact, robust X-ray detector XenOR 33-100W-flex with flexible carrier material (no glass) incl. CsI scintillator was specially developed for use in equine medicine. With a pixel density of 100 µm, the X-ray detector guarantees the highest resolution for razor sharp and detailed images. It weighs only approx. 2 kg, withstands drop heights of 120 cm without damage and has an almost waterproof housing (IP67).

The narrow edges of approx. 7 mm (on two sides) ensure optimum hoof, knee and tooth images. The battery charge lasts up to 8.5 hours and the cycle time between images is < 3.5 sec – this guarantees fast work.

- → Automatic synchronisation of detector and generator via AED - no need to intervene in the X-ray system or adjust the system or cable connections
- → Battery charge lasts for approx. 8.5 hours
- → Narrow edges of only approx. 7 mm on 2 sides
- → Degree of protection (IP67)
- → Mounting surface: 252.8 mm x 331.8 mm [10" x 13"]
- → Pixel density 100 µm
- → Pixel matrix 3318 x 2528
- → Weight approx. 2 kg
- → Dimensions (W x H x D): 269 x 362 x 14.5 mm

Professional acquisition software

- Modern graphical user interface (GUI), available in almost any language, with **touchscreen** operation - to ensure a quick, efficient and 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 **200 projections** and numerous possible adjustments already included
- Safe and fast **registration of emergency patients** allowing user to switch between projections 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
- Special tools for veterinary medicine, such as an extra dialogue box for patient and owner data, **automatic hip dysplasia measuring (AI-based), MMP, TTA, TPLO and vertebral heart score (Buchanan), special image filters, multigenerator operation** for alternating between mobile and stationary X-ray systems and much more…
- Fully **integrated radiographic positioning guide** for a comprehensive range of examinations includes instructions, photos and sample x-ray images
- Suited for use in **dental medicine**, e.g. with a **digital dental sensor or a dental CR system**

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

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 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 flex
25 x 33 cm (13“ x 10“) wireless

Wireless X-ray!
World's first CsI X-ray detector with flexible substrate - almost indestructible - specially developed for imaging horses

or

CsI X-ray detector
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 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

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 in small animal practices and equine clinics

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.

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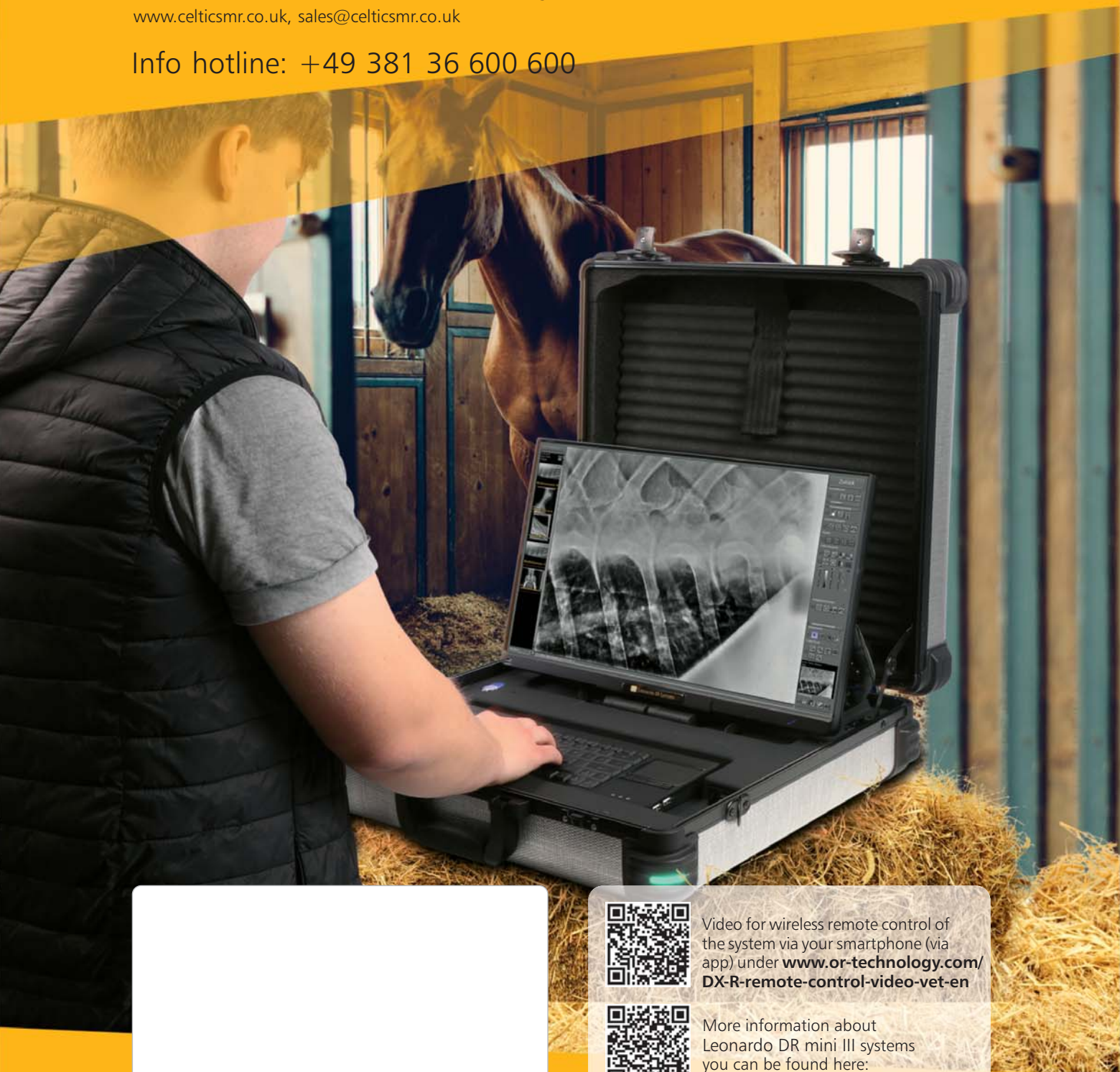

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Video for wireless remote control of the system via your smartphone (via app) under **www.or-technology.com/DX-R-remote-control-video-vet-en**

More information about Leonardo DR mini III systems you can be found here: **www.or-technology.com**