



# Access all areas with the premium DR room to go

## Philips MobileDiagnost wDR mobile digital radiography

Imagine having the superb quality and full efficiency of Philips' premium digital radiography rooms all packed into a flexible mobile X-ray system. This is exactly what the Philips MobileDiagnost wDR offers you. Benefit from outstanding workflow with rapid availability of premium digital images. Faster decisions are made possible thanks to the effortless procedures with the Philips wireless portable detector and seamless connection to the hospital network. With the easy to maneuver MobileDiagnost wDR you'll reach every area of the hospital – and new levels of imaging flexibility.

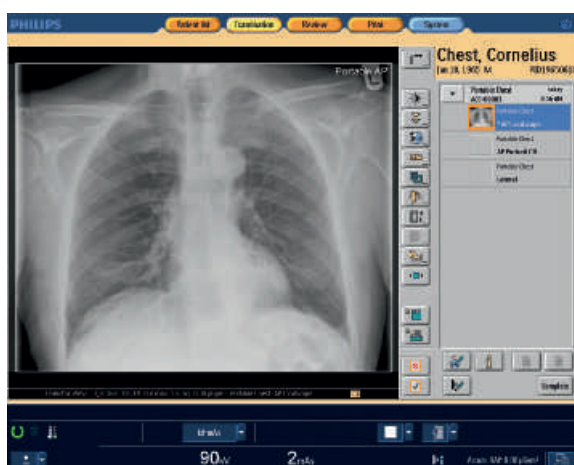
### Key advantages

- Access to all hospital and anatomical areas: Make use of a flexible system especially suited for acute areas of the hospital
- Access to excellent efficiency and workflow: Perform exams seamlessly with intuitive system handling
- Access to rapid, high-quality images: Get excellent images within seconds to facilitate fast diagnoses

**PHILIPS**  
sense and simplicity

# A new movement on wheels

Whether in trauma rooms, intensive care units, operating rooms or in any place where an X-ray image is needed, MobileDiagnost wDR provides tangible benefits for everyone involved in mobile radiography. Flexibly perform a multitude of applications especially on patients in critical conditions. Technologists will appreciate the easy positioning, while patients receive prompt, quality care. What's more, radiologists get rapid access to excellent digital images and the administrators benefit from an efficient system for all hospital areas where seamless procedures are essential.



## With MobileDiagnost wDR everyone benefits

- **Administrators:**  
The hospital steps up to another level of efficiency with either a performance or a high performance version that caters to individual hospital needs
- **Radiologists:**  
Radiologists get rapid access to premium quality digital images which facilitates fast diagnoses
- **Technologists:**  
Technologists experience improved and efficient procedures via wireless handling, the intuitive Eleva interface and motorized mobility
- **Patients:**  
Patients receive prompt quality care where and when they need it due to a mobile radiography system that offers rapid, high quality images with low X-ray dose

## Excels in acute areas

The MobileDiagnost wDR has a strong, robust design making it highly suited to the aggressive demands of busy medical facilities. Single-handedly maneuver the sturdy system with its motorized drive and compact wheelbase to all different areas of the hospital. The wireless detector is just as durable, featuring an ergonomic handle and a rubber case for increased protection. What's more, the cable-free detector design allows you to deliver high hygienic standards as no cable cleaning is required which can decrease the risk of infections and saves valuable time. Combined with its easy to clean structure and form fitting, disposable, protective covers you're equipped with the hygienic advantages you need to work in acute care areas.

## The elements of rapid workflow

Seamless workflow is guaranteed with the renowned Eleva user interface that provides all tools and controls on an intuitive touch-screen display. Medical staff will need only a few minutes of initial training. Plus, exams can be prepared, performed and completed in just three steps, combining highly efficient operation with rapid results. Pre-programmed automatic exposure parameter settings for different patient types and radiography views will speed up procedures even more.

## Ease at the unit

With the wireless portable detector you'll perform all exams quickly and easily, supported by the telescopic tube arm and fine positioning operated from the tube head of the mobile unit. Detector accessories make positioning more comfortable and allow you to freely and easily position the equipment for enhanced user and patient comfort. Furthermore, the entry-level priced performance version is suited to all standard radiographic applications as well as pediatrics thanks to short exposure times. Alternatively, the high performance version expands the range to bariatric patients and demanding exposures such as spine trauma.



### Images in an instant

Next to the wireless portable detector and the intuitive handling of the Eleva user interface, premium quality DR images are another building block for quicker diagnoses and treatment in critical hospital environments. The MobileDiagnost wDR features Philips highly regarded UNIQUE image processing for optimized image results with a preview image after a few seconds. You can view the images on the large 17" monitor and then immediately send them via the hospital network to PACS.

With MobileDiagnost wDR you no longer have to go to a CR reader, you can stop carrying multiple CR cassettes, and you can eliminate waiting for the CR cassettes to be processed into digital images. Plus, with digital radiography the patient receives a low X-ray dose.

### Premium patient care

With MobileDiagnost wDR, patients benefit from premium care in critical settings. For patients who are immobile, the time gained due to fast workflow may have a crucial effect on the outcome of their treatment and their well-being. The system's ease-of-use and the automated workflow allow technologists to devote more attention to patients – especially those in acute conditions, providing them with optimal treatment more quickly. In addition, digital radiography equals a lower radiation dose than screen film or computed radiography. Plus, the optional detector holders make procedures easier and faster because they allow the technologist to work around patients who aren't able to visit the stationary X-ray department.

### Impressive integration

MobileDiagnost wDR, the wireless DR room to go, shares its origins and key benefits with the premium DR and DRF rooms from Philips. This way, you experience integrated procedures since your staff can work with Eleva and UNIQUE throughout the department. On top of that, you can even share a wireless portable detector between mobile DR, DR and DRF to create flexibility and cost efficiency.

With more than 4,500 digital units shipped and hundreds of wireless portable detectors already in use, place your trust in the market's leading premium digital radiography. Discover for yourself the advanced MobileDiagnost wDR procedures and encounter VIP access to all areas of the hospital.



# Technical specifications

Mobile unit	
Type	Mobile X-ray unit with telescopic X-ray tube arm and wireless portable detector
Dimensions (l x w x h)	1375 mm x 670 mm x 1980 mm (54.1" x 26.4" x 78")
Wheel base length	611 mm (24.1")
Motorization	0 – 5 km/h (0 – 3.1 mph)
Focal point distance from floor	max: 2020 mm (79.5"); min: 550 mm (21.7")
Focal point distance to column	max: 1250 mm (49.2"); min: 700 mm (27.5")
Tube column rotation	± 315°
Batteries	Separate batteries for drive and generator control
Power for charging	single phase 230/115 VAC ± 10%; 50/60Hz
Fine positioning from tube head	
Anti-collision sensor and brake	
Generator and tube	Performance
Power: high frequency	20 kW
Tube voltage in steps of 1 kV	40 – 125 kV
mA range	10 to 320 mA
mAs range	0.1 – 500 mAs
Exposure times	0.001 – 10 s
Anode heat storage capability	100 kJ (140 kHU)
Focal spot (small/large)	0.3 / 1.0
Generator and tube	High performance
Power: high frequency	40 kW
Tube voltage in steps of 1 kV	40 – 150 kV
mA range	10 to 500 mA
mAs range	0.1 – 500 mAs
Exposure times	0.001 – 10 s
Anode heat storage capability	220 kJ (300 kHU)
Focal spot (small/large)	0.7 / 1.3

Wireless portable detector	
Type	Digital Cesium Iodide (CsI) flat detector
Detector size	35 cm x 43 cm (14" x 17")
Image matrix size	3,000 x 2,372 pixel / 7.1 Megapixel
Image resolution	up to 3.47 Lp/mm
Pixel size	144 µm
Weight	typical 4.8 kg (10.6 lbs)
Maximum patient weight	100 kg (220 lbs) for weight bearing examinations 135 kg (298 lbs) for distributed load
Click-on grids in portrait or landscape orientation	
Eleva user interface	
Monitor	17" touch-screen monitor
Typical time to display preview image / full image	5/12 seconds
Image storage	up to 4,000 images
Generator control integrated into graphical user interface	more than 600 pre-programmable settings (APRs)
UNIQUE multi-resolution image processing	
Options	
Remote control for exposure and collimator light	
Dose Area Product meter	
Detector holders for the wireless portable detector	



[asimpleswitch.com](http://asimpleswitch.com)

Please visit [www.philips.com/digital\\_radiography](http://www.philips.com/digital_radiography)



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