



PHILIPS

MobileDiagnost wDR

Mobile digital
radiography

Access all areas with the **premium DR room to go**

Key advantages

- **Access to all hospital and anatomical areas**
Make use of a flexible system with sliding column for tight spaces and acute care areas such as ER
 - **Access to excellent efficiency and workflow**
Perform exams seamlessly with intuitive system handling
 - **Access to rapid, high-quality images**
Get outstanding grid-less images fast to support confident diagnoses
-

MobileDiagnost wDR* offers you the superb quality and full efficiency of Philips' premium DR rooms in a flexible mobile X-ray system.

Quick decisions are possible thanks to rapid image availability with lightweight SkyPlate wireless portable detectors. If you choose a grid-less workflow, SkyFlow Plus scatter correction technology allows you to acquire views of all anatomies without the use of a grid, resulting in quick convenient exams.

The easy-to-maneuver MobileDiagnost wDR with sliding column offers excellent visibility, so you'll reach every area of the hospital with new levels of flexibility.

* Not available for sale in the USA.

A new movement on wheels

Whether in trauma rooms, neonatal intensive care units (NICUs) or operating rooms (ORs), MobileDiagnost wDR provides tangible benefits for everyone involved in mobile radiography. Technologists will appreciate the easy positioning. What's more, radiologists have quick access to excellent digital images and administrators benefit from a cost-efficient system for all hospital areas.

Easy mobility

The rugged MobileDiagnost wDR, with its motorized drive and compact wheelbase, transports simply to every area of the hospital. The sliding column moves down and out of the way for excellent visibility.

Effortless positioning

The versatile system slips effortlessly into place. The flexible telescopic tube arm reaches easily over patient beds and fine positioning control from the tube head offers precise adjustment and maneuverability.

Choose between two versions – the MobileDiagnost wDR Performance (20 kw generator) for all standard X-ray exams and the MobileDiagnost wDR High Performance (40 kw generator), which expands your range to bariatric and spine trauma patients.



With MobileDiagnost wDR everyone benefits

- **Administrators**
Your hospital advances to another level of efficiency with Performance or High Performance versions that cater to individual department needs
- **Radiologists**
Radiologists get rapid access to premium quality digital images, to facilitate fast diagnoses
- **Technologists**
Technologists experience seamless procedures via lightweight SkyPlates, the premium Eleva interface and motorized mobility
- **Patients**
Patients receive prompt point-of-care exams thanks to a mobile DR system that offers rapid, high quality images



Access freedom

Easy-to-position, lightweight, cable-free SkyPlate detectors provide exam freedom. Place them where you need them, even in the most difficult projections. The large SkyPlate comes in handy for free exams and in OR tables, whereas the smaller sized SkyPlate is tailor-made for common incubators in the NICU as well as adult shoulder, skull, and extremity views. SkyPlates are stored directly in the unit so they are always within reach.

Fast, efficient exams

You can choose to free up your workflow with SkyFlow Plus. By eliminating the inconvenience of handling an anti-scatter grid, you'll be able to work quickly, avoiding the time and effort associated with attaching and detaching a grid. You'll get superb image quality across nearly all anatomies including chest X-rays for bariatric patients. If you choose to use SkyFlow Plus, you'll benefit from a streamlined workflow, enhanced image contrast, and X-ray dose savings caused by grid misalignment and retakes.

Intuitive user interface

The premium Eleva user interface unites all tools and controls via intuitive touch-screen functions. Seven patient types setup allows critical exam parameters to be selected according to patient size, resulting in superb image quality and excellent X-ray dose management.

Images within seconds

MobileDiagnost wDR is equipped with our highly regarded UNIQUE 2 image processing technology for superb full resolution image results within seconds. You can view the images on the large 17" monitor and then immediately send them via the hospital network to PACS. This is made possible by using the Eleva Workflow Plus tools. These tools can also provide automatic LR markers for clear patient identification.

Impressive integration

MobileDiagnost wDR shares its key benefits with premium DR rooms. You'll experience integrated procedures by working with premium Eleva and UNIQUE throughout the department. You can also share SkyPlates between the latest releases of MobileDiagnost wDR, DigitalDiagnost, DuraDiagnost, and ProGrade (our easy upgrade from analog to digital), to realize flexibility and cost efficiencies across your department.

Advanced, secure solution

With hard drive encryption, your data is now more secure than ever and is stored in the disk in an encrypted format accessible only after authentication. Windows 10 operating system makes the entire experience advanced, faster and secure.

Technical specifications

Mobile unit

| | |
|---|--|
| Type | Mobile X-ray unit with sliding column X-ray tube arm and wireless portable detector |
| Dimensions (l x w x h) in parking position | Fixed column 1382 mm x 670 mm x 1960 mm (54.4" x 26.4" x 77.1") Sliding column 1382 mm x 670 mm x 1330 mm (54.4" x 26.4" x 52.4") |
| Wheel base length | 600 mm (23.6") |
| Motorization | 0 – 5 km/h (0 – 3.1 mph) |
| Focal point distance from floor | 53 to 202 cm (20.9" to 79.5") |
| Focal point distance to column | max: 1242 mm (48.9") min: 702 mm (27.6") |
| Tube column rotation | ± 317° |
| Batteries | Separate batteries for drive and generator control |
| Power for charging | single phase 230/220/110/100 VAC ± 10%; 50/60Hz |
| System available for exposure while charging | |
| Keyless system access | |
| Fine positioning from tube head | |
| Anti-collision sensor and brake | |
| Dose Area Product (DAP) meter | |
| Options | |
| SkyFlow Plus scatter correction | |
| Remote control for exposure and collimator light | |
| Detector holders, grids, handle frame for SkyPlates | |

Generator and tube

| | |
|-------------------------------|--|
| 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 | With SkyPlate: 0.001 – 1.25 s With free cassette: 0.001 – 4 s |
| Anode heat storage capability | 100 kJ (140 kHU) |
| Focal spot (small/large) | 0.3 / 1.0 |

Performance

Generator and tube

| | |
|-------------------------------|--|
| 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 | With SkyPlate: 0.001 – 1.25 s With free cassette: 0.001 – 4 s |
| Anode heat storage capability | 220 kJ (300 kHU) |
| Focal spot (small/large) | 0.7 / 1.3 |

High Performance

Eleva user interface

| | |
|--|--|
| Monitor | 17" touch-screen monitor |
| Image storage | up to 4,000 images |
| Generator control integrated into graphical user interface | more than 600 pre-programmable settings (APRs) |
| UNIQUE 2 multi-resolution image processing | |
| Hard drive encryption for data security | |
| Windows 10 operating system | |

Wireless portable detectors

| | SkyPlate | SkyPlate E* |
|---|--|--|
| Type | Digital Cesium Iodide (CsI) | |
| Housing | Carbon fiber | |
| Detector sizes | small: 24 cm x 30 cm (10" x 12") approx. large: 35 cm x 43 cm (14" x 17") | large: 35 cm x 43 cm (14" x 17") |
| Active area | small: 22.2 cm x 28.4 cm (8.7" x 11.2") approx. large: 34.48 cm x 42.12 cm (13.6" x 16.6") approx. | large: 34.5 cm x 42.6 cm (13.6" x 16.7") approx. |
| Image matrix size | small: 1500 x 1920 pixel large: 2330 x 2846 pixel | large: 2156 x 2662 pixel |
| Detector pixels | small: 2.9 Megapixels large: 6.6 Megapixels | large: 5.7 Megapixels |
| Image resolution | up to 3.38 Lp/mm | up to 3.125 Lp/mm |
| Pixel size | 148µm | 160 µm |
| Weight (incl. battery) | small: 1.6 kg (3.5 lbs) large: 2.8 kg (6.2 lbs) | large: 3.1 kg (6.8 lbs) |
| Maximum patient weight | 100 kg (220 lbs) on 4 cm disk for weight bearing examinations 300 kg (662 lbs) for distributed load, e.g. chest examinations in bed (upto 150 kg on the detector) | |
| Click-on grids in portrait or landscape orientation | | |

* available in selected countries only

Not available for sale in the USA.

© 2018 Koninklijke Philips N.V. All rights reserved.
Specifications are subject to change without notice.
Trademarks are the property of Koninklijke Philips N.V. or their respective owners.

4522 991 38501 * NOV 2018



How to reach us

Please visit www.philips.com/healthcare
www.philips.com/digital_radiography
healthcare@philips.com