



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.

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 and your patients will receive prompt, quality care. What's more, radiologists have quick access to excellent digital images and administrators benefit from a cost-efficient system for all hospital areas.

Ease at the unit

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. This clear field of vision allows for outstanding workflow as maneuverability is enhanced when positioning the system.

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.

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, which 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, quality 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. Medical staff will need only a brief initial training. 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. What's more, the efficient Eleva Review Plus concept comes with a full screen mode to help visualize critical image areas.

Images within seconds

MobileDiagnost wDR is equipped with our highly regarded UNIQUE 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.

With more than 7,000 Philips DR units in use around the world, you can place your trust in Philips digital radiography. Discover the advantages of MobileDiagnost wDR and gain VIP access to all areas of the hospital.

Technical specifications

Mobile unit	
Type	Mobile X-ray unit with fixed or 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
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	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

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	With SkyPlate: 0.001 – 1.25 s With free cassette: 0.001 – 4 s
Anode heat storage capability	220 kJ (300 KHU)

Generator and tube	High Performance
Focal spot (small/large)	0.7 / 1.3

SkyPlate wireless portable detectors	
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")
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.
Image matrix size	small: 1500 x 1920 pixel large: 2330 x 2846 pixel
Detector pixels	small: 2.9 Megapixels large: 6.6 Megapixels
Image resolution	up to 3.38 Lp/mm
Pixel size	148µm
Weight (incl. battery)	small: 1.6 kg (3.5 lbs) large: 2.8 kg (6.2 lbs) Except: North America, Korea, Japan, Singapore & China 3.0 kg (6.6 lbs)
Maximum patient weight	100 kg (220 lbs) on 4 cm disk 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
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	
SkyFlow Plus scatter correction	
Remote control for exposure and collimator light	
Dose Area Product (DAP) meter	
Detector holders, grids, handle frame for SkyPlates	

