

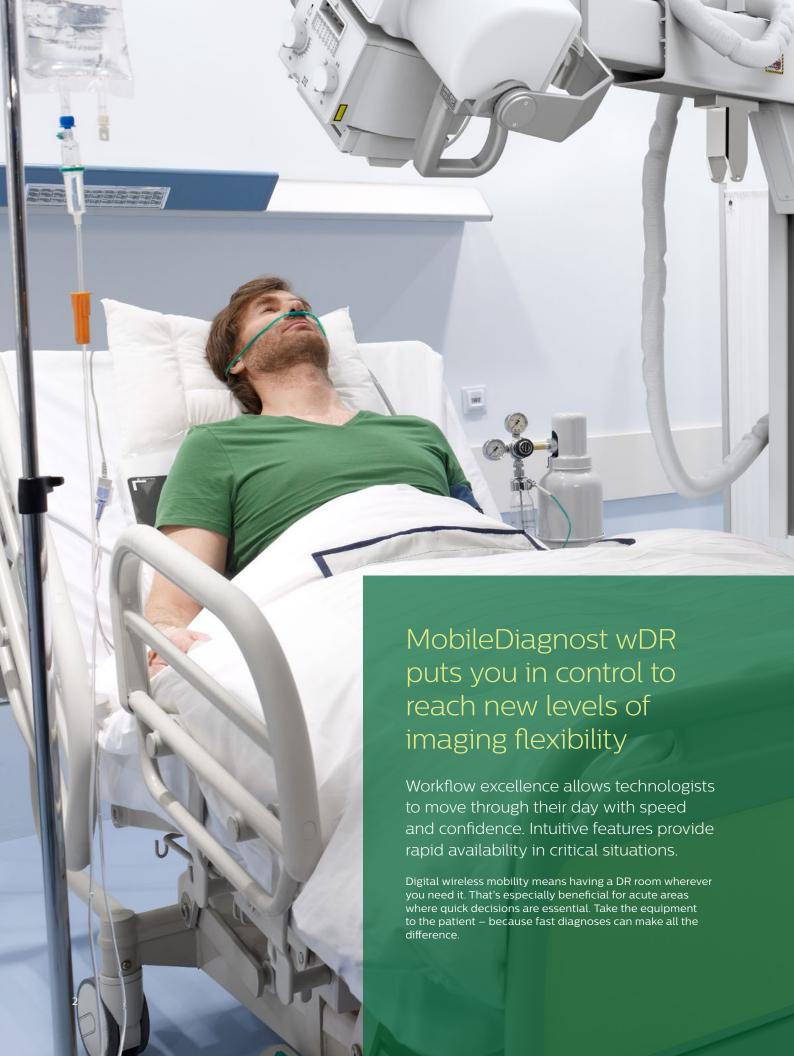
Enjoy outstanding workflow benefits with rapid availability of premium digital images. Philips MobileDiagnost wDR offers you the same exceptional quality and efficiency of a Philips premium DR room in a flexible mobile X-ray system.

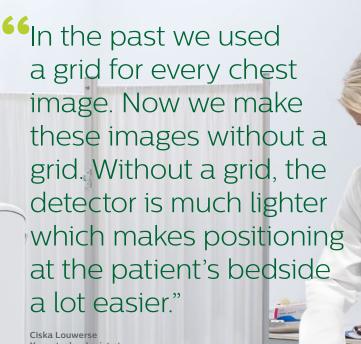
MobileDiagnost wDR is the mobile technology you need for imaging on the go.

- Make use of a flexible system with collapsible column, one-step positioning, gridless imaging for all anatomy, and up to 200 exposures per battery charge to speed you through your daily exams.
- Experience ease of mind with this highly secure mobile X-ray system featuring Windows 10 operating platform, Hard Drive Encryption, Keyless Entry, and Isolated plug and play ports.
- Get excellent images with visualization of subtle details within seconds to facilitate fast and confident diagnoses.
- MobileDiagnost wDR's rugged design and reliable quality are supported by world-class customer service and flexible options to protect your investment

Key benefits

- State-of-the-art efficiency technologies
- · Latest in Network Security
- Next generation Image Processing to facilitate diagnostic confidence





Ciska Louwerse X-ray technologist at Sint Lucas Andres Hospital Amsterdam

Ease of mobility

The MobileDiagnost wDR, with its motorized drive, compact wheelbase, and comfortable driving speed, transports easily to every area of the hospital. The sliding column, based on non-motorized counter-balancing technology, collapses down and out of the way for excellent visibility while on the go.

With a small turning radius and cable-free design, the system fits well into busy acute areas of your hospital such as OR, ICU, NICU and Emergency Departments.

Effortless positioning

This versatile system slips effortlessly into place. The flexible telescopic tube, with an extension range of 49 inches and 317 degrees of rotation, reaches easily over patient beds. Handles on the collimator box let you move the tube head and collimator into position in one easy step. Fine positioning control on the tube head offers precise final adjustments.

If you are in an extremely tight space and don't have room to maneuver the tube head away from the system, you can take an exposure with the tube head in the "park position". Zero degree exposure capability means even the tightest spaces are now manageable.



Fast, easy gridless workflow

When you choose not to work with a grid, SkyFlow Plus scatter correction technology allows you to acquire views of all anatomies without the use of a grid, resulting in quick, convenient exams.

With SkyFlow Plus there's really nothing to adjust. Simply select your patient type and the intelligent software algorithm automatically adjusts contrast enhancement based on the amount of scatter. There's no need for manual manipulation of parameters such as mAs, SID, or kV.

By eliminating the grid, you eliminate retakes caused by grid misalignment and you save valuable time. In tests, gridless workflow with SkyFlow Plus resulted in an average time savings of 34 seconds and up to 50 seconds compared to exams conducted with a grid.

If you do decide to use a grid, SkyFlow Plus automatically shuts off. No grid, and it turns itself back on. It's also pediatric friendly. For all imaging below 60 kV, it automatically shuts off.



Abdomen taken with SkyFlow



Abdomen without SkyFlow

State of the art detectors

Easy-to-position, lightweight, cable-free SkyPlate cesium iodide 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.

More power for more imaging

On those long days with dozens of patients, you rely on immediate power-up. MobileDiagnost wDR employs an advanced lead crystal battery design for exceptional power efficiency and long life. One full charge delivers up to 200 consecutive exposures. You can even take exposures with the system plugged in to increase system uptime.

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 and response time to their patients

· 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







Philips places critical importance on assuring the MobileDiagnost wDR is safe, secure and compliant for integration into any hospital network. In fact, it is the most secure mobile system we've ever created.

Enhanced security features include authentication based on keypad access for system on/off, hard drive encryption for secure data storage, isolated USB ports for plug and play accessories, and Windows 10 operating system for improved security.

Tailored service agreements



Philips offers a broad range of RightFit Service Agreements. Choose from parts & labor plans with uptime guarantees, assist plans supporting your own in-house engineers, or full coverage plans letting Philips do all the work.

Detector coverage

Philips offers a variety of wireless detector protection options in the event of accidental damage* to a SkyPlate wireless detector.

World class customer service

*Misuse terms and conditions apply

Technical specifications

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")
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 wh	nile 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	sallimater light

Power: high frequency	20 kW
Tube voltage in steps of 1 kV	40 - 125 kV
mAa 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
Dower high frequency	
Power: high frequency	40 kW
Tube voltage in steps of 1 kV	40 kW 40 - 150 kV
Tube voltage in steps of 1 kV	40 - 150 kV
Tube voltage in steps of 1 kV mA range	40 - 150 kV 10 to 500 mA

Performance

Generator and tube

Focal spot (small/large)

Options	
SkyFlow Plus scatter correction	
Remote control for exposure and collimator light	
Detector holders, grids, handle frame for SkyPlates	

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	

0.7 / 1.3

Wireless portable detectors	SkyPlate
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 large: 2156 x 2662 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)
Maximum patient weight	100 kg (220 lbs) on 4 cm disk for weight bearing examiniations 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 landso	ape orientation

