

**PHILIPS**

MobileDiagnost Opta

mobile digital radiography



# Opt for performance and price

## MobileDiagnost Opta

The need for compromise is over. MobileDiagnost Opta is small, fast, and flexible, delivering quality diagnostic images on a managed budget.

Based on decades of expertise and innovation, this powerful compact mobile digital X-ray system is designed for all-around performance and fast return on investment.

It moves through crowded spaces in the OR, ER, ICU, and general wards with freedom and ease, bringing digital imaging right to the bedside.



### Key advantages

- Quality digital X-ray images from an industry leader
- Wide ranging diagnostic capabilities and superb ease-of-use
- Excellent performance to price balance for cost effectiveness



## Advantages of MobileDiagnost Opta

A move to digital helps stakeholders across the caregiving process:

- **For the patient:**  
Prompt point of care exams [supported by UNIQUE processing and digital detector] with a managed X-ray dose
- **For the technologist:**  
Seamless procedures thanks to digital workflow and the intuitive Eleva interface
- **For the radiographer/radiologist:**  
Rapid access to consistent digital images facilitates fast diagnoses
- **For the hospital administrator:**  
Digital image viewing within 13 seconds helps support high patient throughput and improve bedside care
- **For the purchasing department:**  
Moving to digital will allow for lower costs for the hospital

# Discover value in your search for quality

Opta is an important member of our MobileDiagnost family of mobile radiography systems. It blends the power, speed, and experience of Philips digital performance with the convenience and flexibility of mobile radiography. And it does so in a cost effective manner.

## **Fast images, available anywhere**

When reliable uptime and solid performance are mandatory, MobileDiagnost Opta is an excellent choice. Lightweight and maneuverable with a durable tethered digital detector, you can take the MobileDiagnost Opta to virtually every corner of the hospital.

An available 32kW generator lets you confidently perform a full range of demanding X-ray examinations including spine and bariatric cases. Special APR control permits an exposure time of just 1ms, capturing quality images with effective dose management. This short exposure time is great for pediatric cases because it enhances image quality by reducing motion artifacts.

UNIQUE image processing algorithms are the same as those found in our premium X-ray systems. UNIQUE delivers consistently uniform clinical image quality for all anatomical areas by adjusting the balance between overexposed and underexposed areas.

With these features, MobileDiagnost Opta delivers an all-round performance that makes it a solid option for a whole range of needs.

## **Easy to use – easy to move**

MobileDiagnost Opta is equipped with a digital Eleva workspot. The intuitive Eleva user interface design is so simple to use, it reduces the need for extensive user training. With only three clicks to complete an examination, Eleva's pre-sets and customized user profiles enhance your work environment and promote strong workflow continuity. The big 19" touchscreen displays images within 13 seconds after acquisition and those images can be quickly transferred to DICOM, PACS, or printer.

Eleva's monitor can be rotated on two axes for greater flexibility. It easily adjusts to operators of different height and can be swung away to avoid obstacles during transport.

A bright collimator light and the source-to-image distance (SID) laser light option, support fast, accurate patient positioning. An integrated dose area product (DAP) is available to provide the relevant information you need for monitoring patient X-ray dose in an easy to interpret format.

The MobileDiagnost Opta is lighter in weight and more compact than motorized systems. This smaller form factor helps it fit easily into tight and difficult hospital spaces. The Eleva workspot's onboard battery maintains system uptime during moves from location to location.

## **Go digital affordably**

MobileDiagnost Opta offers you an easy way to enter the digital world. The lower price point makes it a great option for smaller clinics, hospitals, that require multiple DR mobile systems, or facilities looking for a single system to cover most application needs.

With a proven digital image chain, MobileDiagnost Opta enables fast image viewing for enhanced efficiency, eliminating the time and expense associated with CR systems.

In addition, to ease your move into digital radiography, we also offer a digital-ready analog configuration. The analog configuration can be easily upgraded to digital whenever you are ready. Therefore, MobileDiagnost Opta helps eliminate the gap between Analog, CR and Digital imaging.

Extend your reach and increase your volume by providing a broad array of examination services backed by Philips brand recognition.

## **Reliability built-in**

Key to any purchase decision is confidence in reliability. With Philips, that's built-in. The MobileDiagnost Opta's base unit is based on a history of medical equipment design.

The rugged, tethered detector is designed to withstand shocks and vibrations and is stable at a wide range of temperatures and humidity. Its large imaging area of 35 x 43 cm (14" x 17") provides great coverage for your anatomical areas of interest. You'll enjoy long-lasting performance, year after year.

Your system is also supported by Philips global service network to help ensure continuous uptime and productivity.

Designed for a long lifetime, MobileDiagnost Opta offers an excellent balance of performance and price, enhanced cost-efficiency, and a fast return on investment.

<b>Generator</b>		
<b>Digital</b>	<b>Digital 16 kW</b>	<b>Digital 32 kW</b>
Power	16 kW	32kW
Type	High frequency	High frequency
kV range	40 - 125 kV (1kV steps)	40 - 125 kV (1kV steps)
mA range	50-160 mA	50-320 mA
mAs range (dependent on kV range)	0.1-110 mAs (12.5% steps)	0.1-110 mAs (12.5% steps)
Exposure times (dependent on mAs selection)	0.001-1s	0.001-1s
Small focus / Large focus	small focus	small and large focus

<b>Analog</b>	<b>Analog 16 kW</b>	<b>Analog 32 kW</b>
Power	16 kW	32kW
Type	High frequency	High frequency
kV range	40 - 125 kV (1kV steps)	40 - 125 kV (1kV steps)
mA range	50-160 mA	50-320 mA
mAs range (dependent on kV range)	0.1-220 mAs (12.5% steps)	0.1-220 mAs (12.5% steps)
Exposure times (dependent on mAs selection)	0.001-2s	0.001-2s
Small focus / Large focus	small focus	small and large focus

<b>Tube</b>	<b>Digital and Analog</b>
Type	Rotating anode
Nominal focal spot - small focus	0.8
- large focus	1.3
Anode thermal capacity	80kJ (107 kHU)

<b>Detector</b>	<b>Digital</b>
Type	Digital tethered flat detector
Scintillator	High Stability Scintillator
Detector size	35 cm x 43 cm (approx. 14" x 17")
Pixel size	150 µm

<b>Collimator</b>	<b>Digital and Analog</b>
Type	Manual, with LED light field indicator
Rotation	+/- 120°
Double laser line for 1m SID	Yes. Optional
Filters	1 mm Al + 0.1 mm Cu 1 mm Al + 0.2 mm Cu 2 mm Al 0 mm Al
Filter select LED indication	Yes

<b>Eleva Workspot</b>	<b>Digital</b>
Hard disk	500 GB
Image storage	Typically 4,000 images
Monitor	19" LCD color touch screen monitor (1280 x 1024)
UNIQUE multi-resolution image processing	Yes
Battery capacity	4200 mAh
Image data	
Matrix depth	14 bit/pixel

MobileDiagnost Opta is not available for sale in North America

© 2014 Koninklijke Philips N.V. All rights reserved.  
Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
(Royal Philips) or their respective owners.



[www.philips.com](http://www.philips.com)

4522 991 05301 \* SEP 2014