



# Discover the essence of digital radiography

Philips PrimaryDiagnost DR digital radiography system

**PHILIPS**

# Bringing digital technology to a wide

As digital radiography evolves, it becomes more inclusive. When a company such as Philips takes the lead, you find systems like PrimaryDiagnost DR. Designed to help you gain a competitive advantage and extend clinical capacity, the PrimaryDiagnost DR offers an outstanding price/performance ratio.



# audience



## Key advantages

- Philips standards of product and service quality
- Diagnostic capability for a wide range of examinations
- Cost effective radiography system from a premium brand

## Benefits of digital

More institutions are choosing to move to digital radiography. The benefits are obvious – faster image processing, better throughput, quicker diagnoses, and shorter patient wait times.

Additionally, the ability to transmit images over information networks and to electronically archive them is invaluable. In most cases, digital technology eliminates film, processing costs, and the purchase, maintenance, and staffing expenses associated with film processing equipment. Permanently archived images are never lost and digital X-rays rarely need to be repeated. And by using PACS, images can be viewed by multiple people in various locations at the same time.

Philips PrimaryDiagnost DR makes it easy to enter this digital world.

## PrimaryDiagnost DR has something for everyone:

### Administrator

- Good ROI
- Proven Philips support
- Ability to attract patients

### Radiographer

- Ease-of-operation
- Pre-programmed steps
- Intuitive user interface

### Radiologist

- Digital image quality
- Fast image availability
- Increased throughput

### Patient

- Smooth exams
- Reduced wait time
- Quick results

## A new solution

20 years ago, Philips introduced its first digital radiography system, which allowed clinicians to achieve enhanced image quality and smoother workflow. Today the new PrimaryDiagnost DR is positioned to deliver Philips quality in a primary digital radiography system.

Now you can acquire DR equipment from a trusted brand and provide diagnostic services for a range of general radiography examinations. PrimaryDiagnost DR will become your primary imaging system, combining economic value with rapid diagnoses to patients. It is a smart investment.

# Perfecting the essence of radiography

Your primary radiography requirements are the 'must-have' diagnostic functions essential to general radiography examinations. Philips has designed the PrimaryDiagnost DR to be the only system necessary for these key tasks. It unites general radiography functionality with ease-of-use and reliability.

PrimaryDiagnost DR supports hospitals that carry out high volumes of examinations for a wide range of clinical applications including chest, abdominal, extremity, and free examinations.

## **Simple, logical configuration**

The system consists of a tethered portable detector that works in the X-ray table, on the vertical stand, and for free exposures. It is managed by the intuitive Eleva user interface and requires only three clicks to complete an X-ray examination.



# Experience a seamless workflow and confidence while you work

The PrimaryDiagnost DR has been designed to streamline the examination process, thus giving your staff time to focus on patient care, and outcome.

## Versatile geometry

Be ready in moments for the next exam.

Geometry can be adapted quickly for sitting, standing, and supine patients in various positions to support your DR applications. All components are counter balanced for easy manual movement and can be placed around the patient, then aligned with minimal effort.

The system's floor-mounted X-ray tube stand is designed for fluid tube movement along the supporting rails. A telescoping tube arm for transverse positioning offers flexibility for off-center examinations. Tube rotation is simple, requiring minimal effort to obtain oblique angles. You'll find even more flexibility at the table with the coupling/decoupling feature. The X-ray tube and detector tray can be coupled for most straight projections and decoupled for oblique projections. Coupling helps save time by not having to align the detector/tube.

The free-floating table offers generous height and length to suit various patient types. It can be quickly positioned to reach the area of interest. The manual locking/unlocking feature keeps the table solidly in place. It remains in a locked position even after power failure.

Choose between landscape or portrait orientation of the image with the height adjustable vertical stand. A stretch grip enhances convenience by assisting with acquisition of lateral exposures.

## Rugged digital detector

Conduct all your exams with one wired portable detector.

PrimaryDiagnost DR's single detector configuration is an affordable way to extend your clinical capacity.

The tethered detector can be switched rapidly between table, vertical stand, or free exams. The imaging area of 35 x 43 cm (14" x 17") helps cover your area of interest. The detector can withstand shocks and vibrations and is stable at a wide range of temperatures and humidity. You experience solid reliability and long-lasting performance, year after year.





### Effective image processing

Image acquisition is as easy as one, two, three.

The PrimaryDiagnost DR Eleva workspot promotes an enhanced work environment and workflow continuity via pre-settings and customized user profiles. Images are available on screen just six seconds after acquisition. And it takes only three clicks to complete an examination.

The Eleva concept has been developed in collaboration with clinicians around the world. The Eleva workspot on the PrimaryDiagnost DR displays a similar harmonized user interface as that found on all Philips digital radiography systems. Today, thousands of users depend on Eleva for fast and consistent radiography results.

The Eleva workspot can be fully integrated into your hospital network with a radiology information system interface and DICOM communication. It is embedded with comprehensive security standards.

Consistent, diagnostic quality is possible with Philips UNIQUE multi-resolution image processing software. Image quality is enhanced by optimizing areas of varying density and contrast, while simultaneously preserving the appearance of the original. UNIQUE is ideal for both viewing on the monitor and for printing. Parameters can be easily adapted to users preferences.

### Exposure assistance

Reduce the number of reshoots – get consistent results.

PrimaryDiagnost DR's automatic programmed radiography (APR) feature helps you achieve a high level of exposure accuracy by selecting the filter based on the anatomy of the patient.

Automatic exposure control (AEC) supports consistent image quality and provides an added element of protection by helping to avoid excessive radiation. It absorbs the exposure as soon as mAs value exceeds programmed back up value, or when absolute maximum mAs or back up exposure time are reached.

All functionality of the PrimaryDiagnost DR generator is integrated into the Eleva workspot. This enables you to select and apply exposures from the same console used for image handling, saving examination time and reducing patient wait times.

Display of these exposure parameters on the Eleva workspot helps you achieve accurately exposed images even for unfamiliar regions.

# With PrimaryDiagnost, Philips experience is built-in

Budgetary considerations may vary, but the need for quality never does. Designed for a fast return-on-investment, PrimaryDiagnost DR delivers essential radiography functionality with the quality you expect from Philips.

## **A reputable manufacturer**

PrimaryDiagnost is built by Philips, a leading manufacturer of high-end medical imaging systems. The system reflects decades of company experience in digital X-ray development and it is built to last.

You benefit from high cost effectiveness throughout the product lifetime. Furthermore, the system allows your hospital to gain preference within the community by offering imaging services based on Philips imaging technology.

PrimaryDiagnost DR is faster than conventional computed radiography (CR) systems, more compact than most conventional DR systems, and is backed by strong customer service support and the international availability of spare parts. Highly qualified service engineers and technicians will help you succeed in every phase of system ownership, maintaining system uptime.

## **Proven excellence**

Philips brings more than 100 years of experience to all its general X-ray systems. Success is demonstrated by the more than 7,000 digital radiography installations worldwide. When you acquire a Philips PrimaryDiagnost system, you can be certain it reflects the quality and history of a world-class brand.

With a price/performance ratio that's hard to beat, Philips PrimaryDiagnost DR puts a digital radiography solution within reach of more facilities.



PrimaryDiagnost is not available for sale in North America.

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



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