

A woman is lying on a green table in a DR room, positioned for a lateral skull X-ray. A technologist is operating the Philips DigitalDiagnost C90 mobile unit, which has a large screen displaying a live X-ray image of the patient's head. The Philips logo is visible in the top left corner.

PHILIPS

Digital radiography

DigitalDiagnost C90

The future of X-ray is now

Philips DigitalDiagnost C90

Today, good image quality is not enough, you also need efficiency technologies and systems that make your technologists faster and more accurate. The Philips DigitalDiagnost C90 DR room satisfies these requirements.

The DigitalDiagnost C90's efficiency technologies, such as the live Eleve tube head and collimation camera which brings control right into the room, can help improve speed and accuracy on every exposure.

UNIQUE 2 image processing software delivers improved visualization of subtle details to support diagnostic confidence. The C90 also provides al-a-carte room configurations allowing you to build the perfect system for your needs.

Key benefits

- Faster workflow
- Improved accuracy and IQ
- Al a carte configuration options
- Latest IT standards

DigitalDiagnost C90 brings state of the art efficiency technologies to your practice

With over 9,000 DR systems installed worldwide, Philips has an extensive and proven history of X-ray success. The C90 turns this expertise into a system that provides an exceptional experience for technologists and patients.

Enhanced Eleva tube head

You can operate the system from the tube head using the smart-touch Eleva interface. The 12" touchscreen monitor allows you to confirm patient identity and check or change all relevant system parameters while staying by the patient. This speeds up workflow and keeps your techs more patient focused.



Live camera collimation

Live camera collimation on the tube head provides a bird's eye view of the collimated area, facilitating accurate collimation with limited technologist movement and manipulation. After the exposure, a preview image appears on the Eleva tube head, so you can move quickly to the next view, or close the exam.



Diagnostic quality workstation

The enhanced Eleva workstation has a 2k, high-resolution 21.3" touchscreen monitor that delivers image quality certified for diagnoses*. It displays the live camera image of the patient, helping prevent inaccurate collimation by assuring proper patient positioning. The workstation operates on a solid-state drive (SSD), speeding boot-up time and access to exam information.



*Dependent upon local regulations



DigitalDiagnost C90 brings state of the art efficiency technologies to your practice

The DigitalDiagnost C90's efficiency technologies can help shorten patient wait times and decrease time to diagnosis.

Next generation image processing

UNIQUE 2 minimizes the compromise between sharpness and noise, increasing detail visualization to support diagnostic confidence. It brings detail to very dark and very bright image regions by accurately balancing contrast levels and offering extended flexibility to adjust contrast. It delivers a more homogenous and consistent image impression, regardless of patient type, with an all-black background.



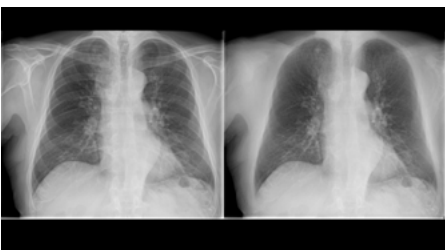
Target and deviation indexing

The Target and Deviation Index values are now displayed automatically during image review, helping enable good exposure and acceptable IQ on every image. In addition, red, yellow and green indicator lights will visually display where the actual dose of the image was in relation to the target. This feature results in real-time dose feedback and can be used as a quality management and training tool.



Integrated bone suppression

Optional Philips Bone Suppression* software subtracts bony structures from chest images for an unobstructed view of soft tissue. This improved visualization assists in assessing lung nodules, improving actionable lung nodule detection by up to 16.8%*. Image subtraction happens during post processing of the image, so there is no need for additional exposures to support a dual energy subtraction.



Grid-less imaging

Philips SkyFlow Plus intelligent software produces images with grid-like contrast without the use of a grid. It reduces scatter radiation and delivers the correct image contrast for every image. Workflow without grids is faster, easier, at a low dose.



*Riverain Technologies' ClearRead Bone Suppression

* Freedman M et al. Improved detection of lung nodules with novel software that suppresses the rib and clavicle shadows on chest radiographs. Radiology. 2011



Build your own room with DigitalDiagnost C90's **adaptive design**

You can tailor the system's geometry and options to suit your unique needs.

Versatile room configurations

Numerous configurations are available to meet your requirements. With our scalable design approach, you decide how much power you need.



High performance room VM90

This all-purpose dual detector configuration includes a motorized wall stand with swivel movement and integrated 17" x 17" detector. The table is height adjustable with options to house a wireless SkyPlate, or fixed detector. Full overhead tube motorization is also an option.



High performance room VS90

This all-purpose dual detector configuration includes a stationary wall stand with integrated 17" x 17" detector. The table is height adjustable with options to house a wireless SkyPlate, or fixed detector. Full overhead tube motorization is also an option.



Flex room VM90

This all-purpose single or dual detector configuration includes a motorized wall stand with swivel movement and integrated 17" x 17" detector. The height adjustable table – a unique Philips design – is single side suspended which swivels 90o in either direction. The swivel table makes stretcher and wheelchair exams easy. Add a SkyPlate wireless detector for free exposures.



Value room VS90

This all-purpose single detector configuration includes a stationary wall stand and height adjustable table, both which house a shared SkyPlate wireless detector. Full overhead tube motorization is also an option.



ER room

The single detector configuration is comprised of a ceiling suspended Eleva tube head, a single large SkyPlate detector, and a moveable detector holder.



Chest room

The single detector configuration is comprised of a vertical stand with 17" x 17" fixed detector and a motorized ceiling tube suspension. Choose the optional SkyPlate detector for portable exams at the patient's bedside.



Convenient motorization

Move around your patients easily. 5-axes of automated movement with Comfort Move allows for tube and detector tracking, detector alignment, and automatic image stitching. All movements can be controlled from the workstation, Eleva tube head, or via remote control. Upgrade to Comfort Position to add automated, pre-defined (and customizable) exam specific positioning. System movements are designed to be intuitive, allow for more efficient workflow, and help prevent work related injuries, creating a productive environment for your staff.



State-of-the-art detectors

Digital fixed detectors and SkyPlate wireless detectors are made of cesium iodide for superb image quality. The 17" x 17" fixed detectors reduce handling and eliminate drop coverage expenses. For more flexibility, SkyPlate wireless detectors come in two sizes and can be used in the table, vertical stand, or for free projections, based on room configuration. They can be shared across the Philips premium DR and DRF equipment portfolio.

World class customer service

Flexible options to help you protect your investment. Philips offers comprehensive support solutions that extend beyond the walls of your exam room.

Tailored service agreements

Philips broad range of RightFit Service Agreements allow you to right size service coverage to your specific operation. 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. All offer a great service experience, open communications, and a hands-on approach.

Multi-vendor services

Philips multi-vendor services allows you to cover all your imaging equipment, regardless of vendor, with a single contract. You will receive just one bill and have access to nearly 2,000 support specialists with expertise across brands and modalities. Service plans can be customized, from full coverage to on-demand support.

Detector coverage

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

*Misuse terms and conditions apply

The DigitalDiagnost C90 conforms to the latest IT standards

Philips places critical importance on assuring that the DigitalDiagnost C90 is safe, secure and compliant for integration into any hospital network.

Information technology highlights

- Embedded Windows 10 operating system
- Seamless integration IT infrastructure and PACS
- Data encryption (stored and removeable)
- Whitelisting malware protection
- User authentication/system hardening
- Centralized user management
- Remote software distribution
- Wireless detector handling tracker



A premium DR room like no other

The DigitalDiagnost C90 family allows you to build the system you need.

With its efficiency technologies, the DigitalDiagnost C90 supports fast, informed decision-making, intuitive workflow, and exceptional performance.

If you are looking for the DR system to keep you positioned at the forefront of an ever-changing industry, for the long-term, the DigitalDiagnost C90 is that system. True clinical and economic value is found in fast, confident, repeatable diagnoses.

