Open a new chapter in radiography

Philips DigitalDiagnost Digital Radiography Solutions
A whole new world

There’s no turning back the clock, especially when it comes to medical systems. Be assured that with DigitalDiagnost you’ll get solutions that are way ahead in technical developments. The scalability concept of Philips digital radiography supports technologists and practitioners in the best possible way.
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Why should you choose Philips?
When developing medical solutions Philips strictly focuses on customers. Our DigitalDiagnost solutions are designed for you. We invite you to access our holistic concept with consulting, finance, service, IT maintenance and networking all from one source. And when it comes to the digital radiography system itself, another concept unfolds: the scalability concept.

Because the choice is yours!
What is the scalability concept? It means that you can determine the sum of the individual parts. Guided by us you can choose from special hardware and software ranges to configure a digital system that perfectly fits your needs. This way you will benefit from a truly filmless workflow. The advantages gained may have a positive impact not only in your Rad room but throughout the entire department as well. Experience your new tailor-made digital Rad Room!
Ceiling suspension CS
Floor stand FS
Digital Bucky table TH
Single side suspended table TH-S
Height adjustable trolley TA-M
Fixed vertical stand VS digital
Fixed multi-purpose vertical stand VM Fix
Moveable multi-purpose stand VM

the possibilities
Automated workflow
With Philips’ DigitalDiagnost chest room you’ll get workstation controlled collimation, asymmetric beam alignment, tracking, remote control and near real-time image display to create a highly automated workflow. UNIQUE, Philips’ advanced image processing system, delivers superb chest images within seconds.

Extending the range
Two features may drastically improve efficiency in the chest room. On one hand, the tracking function maintains a constant source-detector distance. On the other hand, the tube assembly automatically tracks the vertical movement of the detector. Using a tiltable digital vertical stand and a ceiling suspended tube can extend the application range to skeletal examinations. And combined with a trolley, even under-table examinations are easily possible.

Standard configuration: DigitalDiagnost VR
• Generator
• Fixed floor stand with X-ray tube assembly, control grip and collimator (FS Fix)
• Digital vertical stand with integrated flat detector (VS)
• Acquisition console with monitor, keyboard and mouse
• Tracking
• UNIQUE image processing

Why everything in your rooms runs like clockwork
Single detector/Dedicated chest room

Supporting clinical excellence
The addition of Philips’ CAD solution, xLNA, aids physicians in visualizing, identifying, evaluating and reporting pulmonary lesions/nodules in digital radiographic chest images. For more information, see pages 20/21.

It’s your choice
Add efficiency with the following options (selection):

- Vertical stand display
- Automatic image stitching

All features and options in chapter 2 starting on page 15.
Have you set your sights on going digital in your medical facility? Then let DigitalDiagnost Compact be your entry to filmless workflow. Benefit from an affordable X-ray system which integrates seamlessly into your hospital network environment.

**Your easy move to digital**

Have you set your sights on going digital in your medical facility? Then let DigitalDiagnost Compact be your entry to filmless workflow. Benefit from an affordable X-ray system which integrates seamlessly into your hospital network environment.

**Standard configuration:**
**DigitalDiagnost Compact**
- Generator
- Fixed multi-purpose stand with swiveling C-arm and integrated digital detector (VM Fix)
- Ceiling suspension with X-ray tube assembly, control grip and collimator (CS 2)
- Optional height adjustable trolley (TA-M)
- Acquisition console with monitor, keyboard and mouse
- UNIQUE image processing

**Multi-purpose use, medium workflow**
The DigitalDiagnost Compact is a cost-effective X-ray system for multi-purpose use and medium workflow. It offers the full range of standard radiography applications and all the advantages of digital workflow. Medical facilities often use this room as a chest room, which can also serve as a back-up general DR room.

**It’s never been easier**
With DigitalDiagnost Compact, patient data and work lists are received directly from your RIS. Anatomical program parameters are ready as soon as you select the type of examination. That automatically sets pre-filtration and collimation for each exposure. The images are
processed with UNIQUE image processing software and sent to PACS or printer. In addition, the system can simultaneously transfer examination information back to the RIS.

**It's your choice**

Add efficiency with the following options (selection):

- Automatic collimation
- Tracking and move-to-position

All features and options in chapter 2 starting on page 15.
Philips has redefined the benchmark for standard rooms with a highly flexible configuration. Renowned DigitalDiagnost image quality together with easy handling, comfort and excellent ergonomics set this single-detector solution apart.

**All-in-one for all applications**

The DigitalDiagnost standard room solution is a very versatile system for environments with a medium to high patient load. It features a moveable multi-purpose stand including an integrated detector combined with a single side suspended table. By moving the detector to the end of the table, the system becomes a digital chest unit. Positioning it vertically alongside the table enables easy lateral projections.

**Standard configuration:**
DigitalDiagnost – one-detector standard room
- Generator
- Moveable multi-purpose stand with swiveling C-arm and integrated digital detector (VM)
- Ceiling suspension with X-ray tube assembly, control grip and collimator (CS 4)
- Single side suspended height adjustable table (TH-S) or moveable trolley (TA-M)
- Acquisition console with monitor, keyboard and mouse
- UNIQUE image processing
- Tracking

**Very versatile**

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More convenient

Working with DigitalDiagnost is even more convenient than before since the system’s motorized detector moves both vertically and horizontally. By simply pressing a button you switch from under-table to chest positions, thus facilitating smooth working procedures.

It's your choice

Add efficiency with the following options (selection):
• Horizontal motorized movements, plus extended move-to-position and alignment functionality
• Vertical stand display
• Automatic image stitching
• Clinical QC (quality control)

All features and options in chapter 2 starting on page 15.
If your department cares for a high number of patients and carries out a large variety of applications and projections, a high performance room is absolutely essential. The Philips DigitalDiagnost dual-detector system is the ideal solution to these demands.

**Standard configuration:**
- DigitalDiagnost dual-detector high performance room
- Generator
- Height adjustable table with integrated digital detector (TH)
- Vertical stand with integrated detector (VS) with motorized tilting
- Ceiling suspension with X-ray tube assembly, control grip and collimator (CS 4)
- Acquisition console with monitor, keyboard and mouse
- UNIQUE image processing
- Tracking

**The easy switch**
The two detectors make it easy to switch from table exams to chest. In addition, automated functions such as auto collimation and move-to-position help increase workflow. For higher demands, you have the option of adding a second tube.

**Faster procedures**
In a high performance room from Philips, DICOM Worklist Management (WLM) for easy scheduling and fast distribution maximizes efficiency via the DICOM standard. Instant availability and optimized image display also greatly contribute to faster working procedures.
It’s your choice

Add efficiency with the following options (selection):
• Vertical stand display
• Second table control
• Automatic stitching
• Clinical QC
• PCR integration

All features and options in chapter 2 starting on page 15.

Extend your applications: By using the moveable multi-purpose stand VM instead of the VS, all vertical Bucky exams as well as lateral examinations such as axial hip are fast and convenient. This combination significantly increases the range of applications.
Which benefits improve your workflow and results
The visible difference

Image processing is of major importance in achieving consistent, excellent image quality for all anatomical areas in order to support quality of care. In all its radiography systems, Philips has always placed special emphasis on enabling excellent image processing.

Creating brilliance in diagnostic viewing
DigitalDiagnost supports diagnostic viewing by:
- Image processing especially suited to flat detector characteristics
- Detecting the appropriate region of interest
- Adapting to the output medium
- Application-driven image processing with UNIQUE

UNIQUE image processing
With UNIQUE you can expect consistently high image quality whether working with Computed Radiography, Direct Radiography or CR/DR combinations. UNIQUE enhances the detail contrast and harmonizes the image quality for all digital radiography modalities. UNIQUE image processing is especially suited to those applications where high-definition detail is absolutely essential.

UNIQUE at a glance
- Harmonizes contrast
- Enhances weak details and achieves detail accuracy in all areas
- Eliminates processing artifacts
- Permits a visually uniform impression for DR and CR images
- Achieves consistently high image quality
UNIQUE is ideal for both viewing on the monitor and for printing. Image quality is enhanced while simultaneously preserving the images’ natural appearance. Plus, the parameters can be adapted to suit each individual.

Image verification
The image is available within a matter of seconds after the exposure, which reduces waiting time for each individual patient. In addition, the user can use a range of parameters to further enhance the image:
- Contrast/brightness
- Rotation/mirror
- Annotations
- Shutters
DigitalDiagnost’s ergonomic features, such as motorized movements, reduce the physical demands on the technologist substantially. Combined with automated procedures such as automatic stitching, you will benefit from digital efficiency in the Rad room and throughout the entire medical facility.

**Automatic image stitching (optional)**
Orthopedic examinations are facilitated by the use of the orthopedic patient stand for patient positioning. After the automatic acquisition of the image set (2 to 3 images according to examination), a composite image is created instantly on the DigitalDiagnost acquisition console. The algorithm is fully automatic, rendering manual interaction unnecessary although any manual adjustments can be made. Furthermore, this package also provides distance and angle measurements.

**Tracking and move-to-position**
With the tube tracking function at the table, the SID (source to image distance) is maintained while the table height is adjusted. With vertical stands, the tube automatically follows the position of the image receiver. Technologists benefit because they can fine-tune the positioning at the vertical stand close to the patient. The tube just follows accordingly.

The move-to-position function offers even more convenience since the detector moves automatically to pre-defined positions for the most frequent applications. This function is an option for the DigitalDiagnost Compact solution.
**VM horizontal movement (optional)**
This option contains three functions:

**Motorized horizontal movements**
In addition to the standard motorized movements of the DigitalDiagnost vertical stands, the VM stand can be motorized horizontally as well to enhance comfort and workflow.

**Move-to-position extended**
With the motorized VM stand, the move-to-position function is expanded to include more pre-defined positions, which can switch automatically between table and chest positions by simply pressing a button.

**Alignment**
Furthermore, the tube and the detector can be aligned automatically. Just press the light button for 2 seconds and the detector automatically moves to the field of radiation. This is especially convenient for positioning patients for cross-lateral applications with the light field of the tube. The detector follows automatically.

Images are directly stitched together at the acquisition console.
Digital tomography (optional)
Digital tomography combines ergonomics, image quality and economic aspects in a unique manner. All movements are motorized and electronically controlled. Superb image quality is achieved by using a digital flat detector in combination with UNIQUE image processing.

Vertical stand display (optional)
The display on the vertical stand simplifies workflow and permits closer contact to the patient, which is particularly important for a high patient throughput. All vital parameters are directly displayed while positioning the patient. This allows the patient to be addressed personally and enables the technologist to check parameters without frequently walking over to the acquisition console.

The display shows the following parameters:
- Patient name, patient ID and date of birth
- Selected examination
- Grid status

Patient data organization
Depending on hospital infrastructure, patient data can be entered via the keyboard, barcode reader (optional) or directly via the DICOM RIS interface (optional, see DICOM functions). The system automatically creates the worklist from the data. Connection to non-DICOM compatible interfaces (NFS/FTP) is included.

DICOM functions
Optional DICOM WLM (Work List Management)
DICOM WLM connects DigitalDiagnost to the RIS. DigitalDiagnost automatically retrieves the work list from the RIS, thus supporting efficient and seamless workflow in the digital X-ray room.

Portable examinations with integrated CR (optional)
Some applications cannot be performed with a flat panel detector system, e.g. special projections taken in bed. Fully integrated Computed Radiography (CR) is the cost efficient alternative to using a heavy, cable limited and fragile portable detector. DigitalDiagnost's streamlined workflow also covers the seamless acquisition and processing of CR images. Scheduling, examination, data handling and image processing are identical for both DR and CR acquisitions. For patients receiving DR and portable examinations, the images will have the same impression and will be stored in one folder on PACS – because it is fully integrated!
Optional DICOM MPPS (Modality Performed Procedure Step)
DICOM MPPS sends examination data back from DigitalDiagnost to the RIS. In this way the RIS server receives updates on examination data. The returned information relates to the corresponding entries in the work list:
- Patient and procedure data
- Number of exported DICOM images
- User comment on the Performed Procedure Step
The DICOM MPPS option is only available with the DICOM WLM option.

DICOM Print (optional)
DICOM Print allows for manual and automatic printing directly from the DigitalDiagnost acquisition console. It enables the user to transfer images to a networked DICOM imager with a choice of two different printing modes: automatic printing and manual layout composing.

DICOM Media (optional)
This option allows users to write CDs directly on the DigitalDiagnost acquisition console using the internal CD recordable drive. The images are exported either as DICOM CR or DX images. Each recorded CD complies with the DICOM Media Interchange format and includes a stand-alone DICOM viewer to review the CD content on any standard PC.

DICOM Image Export
DICOM Image Export consists of two services:
- DICOM Store sends DICOM images to PACS or any other DICOM destination.
- DICOM Storage Commit enables the storage destination to inform the DigitalDiagnost system when images have been stored securely. This trigger is used by DigitalDiagnost to allow images to be deleted during an automatic clean-up procedure.

DigitalDiagnost supports DICOM GSDF (Grayscale Standard Display). This provides optimum consistency between quality control and reading situations by ensuring consistent high-quality image display on both printouts and PACS viewing monitors when exporting to DICOM imagers and PACS systems with the same function.

Clinical QC (optional)
This convenient image statistic tool enables users to analyze all images with regard to, for example, X-ray dose or reasons for rejection. It also serves to monitor and analyze general parameters. The data files can be downloaded for further use or archiving on a standard PC. It is the ideal tool to promote quality standards in the department and for training situations.

Refer to DICOM Conformance Statement for more information.
See for yourself

It’s like having a second pair of eyes on every chest exam. Philips xLNA lung nodule assessment CAD software for digital chest X-rays supports you in visualizing, identifying, evaluating, and reporting pulmonary lesions and nodules.

**A first-class second look**

Unlike conventional CAD software, xLNA includes exclusive real-time interactive image-reading features, region of interest (ROI) analysis, easy reporting, and direct integration with PACS. It provides CAD capabilities (Computer Assisted Detection) and interactive toolkits to assist in the identification of lung nodules, including small ones.

**Image reading and ROI (Region of Interest) analysis**

- Image visualization toolkits with multiple viewing modes
- Nodule-specific contrast-enhanced and nodule-enhanced view
- Tools for physicians to perform lesion marking and selection
- Lesion/nodule segmentation in automated or manual mode
- Instantaneous automatic computation of quantitative measurements from segmentation results
- Tools for physicians to add additional diagnostic assessment comments

**Clinical report**

- Automatic generation of clinical report on physician confirmed diagnostic information
- Allows physicians to input notes and digital signature
- Secures report with time stamp
- Report stored in DICOM format ready for PACS archiving

**Integration into your PACS workflow**

xLNA integrates into your PACS based solely on DICOM connectivity. Neither code-level integration nor the installation of any software on your PACS will be required.

For more information please visit also our internet at: www.medical.philips.com
Instantaneous automatic computation of quantitative measurements from segmentation results.
Information in safe hands

Ensuring confidentiality
Philips has taken many steps to enhance the security of medical devices in response to customer requests. When used properly, the security features of Philips products make it easier for users to meet their obligations to ensure the confidentiality, integrity, and availability of patients’ medical information.

Some relevant DigitalDiagnost security features include:
- Unique user identification & authentication mechanism (password protected access)
- Operating system “hardening”
- Hardware firewall (optional)

Creating a standard
In light of the increased focus on medical device security and compliance with the HIPAA Security Rule in the USA, the Health Information Management Systems Society (HIMSS: www.himss.org) has created a standard “Manufacturer Disclosure Statement for Medical Device Security” (MDS2). The intent of the MDS2 is to supply healthcare providers with important information that can assist them in assessing the vulnerabilities and risks associated with electronic Protected Health Information (ePHI) created, transmitted or maintained by medical devices.

Meeting the standard
Philips publishes these MDS2 forms for most supported Philips Medical Systems products. Philips MDS2 forms are available to customers and potential customers online at www.medical.philips.com/us/productsecurity/mds2.
What components make up your tailor-made system
Scalability — more than the sum of the parts

Inside your head
Philips has more than 100 years of experience in medical technology. In the 1980s we introduced CR and DR radiography systems. From our experience and interaction with customers, we know what is on the minds of those responsible for various medical areas: What are my resources?

How many experienced technologists and practitioners are in the department? How do the patient profiles change? How do I make the most out of a limited budget? We have specific answers to your changing requirements.

The advantages of scalability
Following this rigid evaluation, the advantages of scalability truly pay off. That is when our sales representatives plan with you the exact composition of your digital Rad room. Together we select the components and features to place your radiography department precisely where you, your colleagues, your patients and your administration want it to be. Rest assured that your DigitalDiagnost system will integrate perfectly into your department and beyond. Plus, it will run with peak performance for years to come thanks to the individual excellence of each component combining to form an absolutely reliable whole. The united components will be more than just the sum of their parts.

Quality in every detail
This is made possible because every single component of our DigitalDiagnost solutions is a technological masterpiece. Take a look inside and see the precision with which every item is manufactured.

The figure to the right shows our flat detector in every detail. With in-depth knowledge of material and physical phenomena, we have created a precision tool that easily masters the constant demands placed on everyday radiography operation. For example, our best-in-class electronics ensure excellent image quality while allowing a low radiation dose. Or look at the scintillation layer. It incorporates a columnar structure (only 2–3 μm thick) to accurately guide the light to the silicon with minimized spatial spread.

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Philips eliminates ghosting and blur. **Refresh Light** “wipes” the silicon layer clean immediately before every new image.

**Scintillator**
Converts X-rays to light. The 550μm thick, highly efficient cesium iodide scintillator layer offers the best combination of sensitivity and image sharpness.

**Sensor matrix made of amorphous silicon**
Converts light to electrons. Philips uses a 9 Mpixel array with 143 μm pixels which gives high resolution to all medical applications.

**Switching diodes**
Connects each pixel to read-out line (blue lines) for image data read-out.

**Electronic control lines** to trigger the switching diodes.

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Generators

The range of Philips generators features modern architecture based on a modular design using high performance components to enable customer specific solutions.

Optimus 30, 50, 65 or 80 kW

Basic features:
Anatomically Programmed Radiography (APR)
• 1024 anatomical programs
• Quick-to-find application oriented menus
• Customized short-cut keys to pre-programmed application profiles

Tube overload protection
• Monitors temperature conditions in order to protect tube and housing parts from being damaged or destroyed by overstress
• Tube power availability indicated on generator control desk

Automatic Exposure Control (AEC)
• Sets the exposure time according to exposure voltage and object characteristics in order to automatically obtain the correct exposure

Optional Tomography Density Control (TDC)
• Automatically calculates the correct power setting with predetermined dose steps and the time required. This guarantees a steady dose and results in optimum image brightness for the duration of the entire tomography

Optimus 30, 50, 65 or 80 kW

Variofocus (optional)
• Correct blend of minimum focal point size and maximum exposure load for the anatomical view in question (in order to reduce motion blur and improve geometric resolution)
• Uniform loading of the focal points extends tube life
• Focal point size can be adapted to the object features
• A broad variety of application oriented focal point sizes can be defined and assigned to APR settings
• Maximum image definition due to optimum geometric image conditions

X-ray tubes

The Philips dual-focus rotating anode tubes are manufactured in one of the most advanced production centers in the world.

RO 1750 ROT 360
• Low-speed rotating anode tube assembly (3,600 r.p.m. max.)
• Excellent lifetime performance
• Housing with 90° horn angle position with free air convection cooling
• All radiography systems, esp. chest units

SRO 2550 ROT 306/351, SRO 33100 ROT 306/351 and SRO 0951 ROT 350
• Fast rotating anode tube assembly (10,800 r.p.m. max.)
• High load capacity, fast speed-up (1.0 sec)
• To increase continuous power and minimize downtime (for more demanding applications) the tube assembly can be ordered with additional blower or cooling unit
• Ideal for all radiography and fluoroscopy systems
• SRO 0951: perfect tube for Variofocus due to focal spot combination 0.3/1.0

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Tube carriers

All DigitalDiagnost systems come with a ceiling suspension (CS). The dedicated chest system DigitalDiagnost VR comes with an optional fixed floor stand.

Ceiling suspension CS

- Longitudinal and transverse movements
- Four-part telescopic column
- Award-winning Bucky control grip for easy, one-handed operation and positioning close to the patient
- Various optional functions include sensing, tracking, alignment
- High projection flexibility, plus quick and easy handling saves time
- Available in two versions, CS 2 and CS 4 for a full range of transverse movement

Floor stand FS Fix

- Optimized to the needs of modern, high performance, fully automated chest rooms
- Column is mounted on the floor with a fixed distance to the vertical stand with its integrated detector
- Standard functions include automatic collimation and tracking

Tables

Philips offers a variety of different tables and trolleys to fit every requirement. All tables feature a high patient load and convenient access to the patient from all sides.

Digital Bucky table TH

- X-ray from head to toe – all radiographic applications (skeletal, tomography etc.)
- X-ray transparent and floating table top (two widths available)
- Integrated digital detector
- Motorized height adjustment
- Easy horizontal and vertical patient positioning due to large movement range
- Electromagnetic brakes for a high level of patient security
- Hands-free operation via a foot switch
- Additional optional hand switch for all table movements, which can be flexibly positioned even on the rear of the table
- Maximum patient load: 375 kg / 820 lbs

Height adjustable trolley TA-M

- Single side suspended trolley with floating table top (two widths) and central pedal control
- Hydraulic height adjustment
- To be used in combination with the vertical stands DigitalDiagnost VS and DigitalDiagnost VM and VM Compact (see also pages 8/9)
- Full application flexibility
- Excellent access to the patient from all sides
- Floating table top, fully X-ray transparent
- Easy and precise to maneuver due to central pedal control
- Maximum patient load: 225 kg / 496 lbs

Single side suspended table TH-S

- Single side suspended X-ray transparent table especially designed for combining with the moveable vertical stand, DigitalDiagnost VM (see also page 10/11)
- X-rays from head to toe due to its large X-ray transparent area
- Wide floating table top
- Motorized height adjustment
- Easy horizontal and vertical patient positioning due to large movement range
- Easy patient transfer at any working height
- Maximum patient load: 225 kg / 496 lbs
Vertical stands

Our range of vertical stands caters to all your individual application needs. Motorized height adjustment, customizable pre-defined detector positions and numerous other well thought-out features significantly reduce the physical demands placed on the technologist.

Fixed vertical stand VS digital
- Vertical stand mounted on the floor with integrated digital detector
- Motorized height adjustment with two different speeds plus manual operation for precise positioning
- Customizable pre-defined detector positions (move-to-position)
- Large detector format (43cm x 43cm / 17” x 17”)
- Removable grid and storage unit for two grids within the detector unit for immediate availability and safe storage
- Two user interfaces
- Wireless remote control unit
- Additional optional display for patient data in the examination room
- Five AEC measuring chambers to ensure correct dosage
- Projection with angulated beam
- Tilting (-20° to +90°) to support examinations of patients on a stretcher, plus straightforward exams of extremities for seated or standing patients (optional)

Moveable multi-purpose vertical stand VM
- Motorized stand with multi-purpose swiveling C-arm and integrated digital detector
- Full application flexibility with just one detector
- Motorized height adjustment with two different speeds plus manual operation for precise positioning
- Customized, pre-defined detector positions (move-to-position)
- Optional customized, pre-defined system positions switch from chest exam to table position at the push of a button (extended move-to-position)
- Motorized horizontal stand includes detector alignment movement for more convenience (optional)
- Horizontal alignment at the push of a button
- Vertical tracking
- Cross table lateral exams
- Large detector format (43cm x 43cm / 17” x 17”)
- Removable grid and storage unit for two grids within the detector for instant access and secure storage
- Two user interfaces
- Wireless remote control unit
- Additional optional display for patient data in the examination room
- Five AEC measuring chambers, to ensure correct dosage
- Angulated beam projection

Fixed multi-purpose vertical stand VM Fix
- Fixed floor-mounted stand with multi-purpose swiveling C-arm and integrated digital detector for combining with a single side suspended trolley
- Full application flexibility with just one detector
- Motorized height adjustment with two different speeds plus manual operation for precise positioning
- Optional customized, pre-defined detector positions (switch from chest exam to extremity position at the push of a button)
- Vertical tracking (optional)
- Large detector format (43cm x 43cm / 17” x 17”)
- Removable grid and grid storage for two grids within the detector for instant access and secure storage
- One user interface either on the left or the right side of the detector unit
- Additional optional display for patient data in the examination room
- Three AEC measuring chambers
- Angulated beam projection
Acquisition console

On the DigitalDiagnost acquisition console, the clinical image is available within seconds after the exposure.

Basic features
- Consists of a powerful SUN computer, 19” TFT color monitor, keyboard and mouse
- A central operating console for the whole X-ray examination, with emphasis on:
  - Monitoring the entire DigitalDiagnost system
  - Reading patient data arriving automatically via the RIS, or manual patient entry
  - Selecting patient and exam
  - Generator control
  - Data transfer from the digital detector
  - Image processing with UNIQUE, Philips’ advanced image processing software
  - Image quality check
  - Link to the hospital’s digital infrastructure (PACS, etc.)
  - Optional image archiving on CD (DICOM Media)

Digital detector

The DigitalDiagnost flat detector is made of amorphous silicon and cesium iodide scintillator for excellent image quality even with low dose.

Basic features
- Completely integrated into the radiographic table TH and all vertical stands
- Large size (43cm x 43cm / 17” x 17”) for high projection flexibility even with large patients
- Resolution up to 3.5 lp/mm, 143 μm pixel size, pixel matrix of approx. 9 Mpixels

More details, see page 25.

Contact your nearest Philips Medical Systems representative to find out how the scalability concept supports you to shape your ideal digital radiography room.
Why you can always rely on Philips
Prized quality
Place your trust in our integrated concepts. From financing to system maintenance, we’re at your disposal. Our philosophy is to offer you fast support and excellent quality. Benefit from our global service network, our highly qualified service engineers, our service technicians’ individual attention and our international availability of spare parts. Maintaining this high level of competence is one of our greatest priorities.

CustomerCare portfolio
Our CustomerCare service programs ensure excellent support, flexible solutions and effective relationships – providing the service you need to guarantee that your DigitalDiagnost system always operates at its peak. Our range can be tailored to any individual customer situation. We offer customized Service Agreement solutions to help enhance the quality of patient care, increase your productivity and improve your profitability. Our Service Agreements come in silver, gold or platinum levels. Regardless of the level, a Philips expert is always just around the corner, whether via proactive remote support or in person.

EasyUpgrade program
Another feature of our digital service concept is its excellent upgrade opportunities. We call it the EasyUpgrade program. With EasyUpgrade you can conveniently switch to digital state-of-the-art technology in no time. Whether you work with the conventional BuckyDiagnost® solutions or are equipped with Thora-vision, you can easily upgrade to DigitalDiagnost. So make the switch when your medical facility feels ready for it.

*Not applicable to for BuckyDiagnost TS systems

Let Philips be your partner before, during and after the purchase of a system. It pays off. While your system is in your medical facility, our service professionals, numbering more than 6,000, offer you predictable life cycle costs and peak performance now and in the future.
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