Open a new chapter in radiography

Philips DigitalDiagnost Digital Radiography Solutions

PHILIPS

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Push your DR room to new levels of efficiency

Do you want to enhance the workflow in your DR room? Then it's definitely worth considering DigitalDiagnost. You'll get an individually configured DR room equipped with essential innovations. We have systematically introduced and improved these advantages to maximize your efficiency. The most recent addition is our wireless portable detector which gives you outstanding flexibility. On top of that, you can always place your trust in Philips design and service.

The big picture
Seamless procedures throughout your DR room – this is what you can expect when combining DigitalDiagnost advantages. The Eleva platform, UNIQUE image processing, wireless portable detector and PCR integration plus various further scalable components and features form a powerful whole.

One Eleva platform – all modalities
Automate your workflow with the intuitive Eleva user interface. This uniform platform is ideal for streamlining all X-ray modalities – whether they are computed or direct radiography, fluoroscopy or mammography.

UNIQUE image processing
With UNIQUE – Philips' state-of-the-art image processing algorithm – you'll achieve consistent high resolution image quality from all sources.

Wireless freedom
Conveniently carry out free exposures and bed examinations with the wireless portable detector from Philips. It includes various useful features and an array of well thought-out accessories to further maximize efficiency in your DigitalDiagnost room.

Switch between CR and wireless
Maximize your application flexibility by alternating between CR cassettes and the wireless portable detector. Both solutions can be integrated to enable a smooth digital workflow.

Design
Philips design helps to reduce your physical involvement substantially and enhances interaction between technologist and patient.

Service
Philips provides a full lifecycle solution designed around your patients, your people, and your organization.

Scalability
Configure your own DigitalDiagnost room with modular components to suit individual needs. You will find an overview on the next spread.

Why should you choose DigitalDiagnost from 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 customized digital radiography room!

UNIQUE image processing software

Orthopedic imaging with automatic image stitching

Digital Imaging and COmmunication in Medicine – DICOM

Wireless portable detector

Integrated
workflow with PCR

Ceiling suspension CS

Height adjustable
digital Bucky table TH

Single side suspended
table TH-S

Discover the possibilities

Height adjustable
trolley TA-M

Fixed vertical stand
VS digital

Fixed multi-purpose
vertical stand VM Fix

DigitalDiagnost
Eleva workspot

Moveable multi-
purpose stand VM

Choose the chest champion

Some X-ray departments specialize in thorax examinations. An output of more than 200 thorax images per day sets the benchmark in these environments. Philips' response to this situation is the dedicated DigitalDiagnost chest room.

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 significantly 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 can extend the application range to skeletal examinations. And combined with a trolley, even under-table examinations are easily possible.

For more flexibility, horizontal examinations are also possible

DigitalDiagnost single detector dedicated chest room

Configuration example
• Generator
• Ceiling suspension with X-ray tube assembly, control grip and collimator (CS)
• Digital vertical stand with integrated flat detector (VS)
• Eleva workspot with touchscreen monitor
• Tracking
• UNIQUE image processing

It's your choice

Add efficiency with the following options (selection):
• Vertical stand display
• Automatic image stitching

When performing thorax examinations, the tube assembly automatically tracks the vertical movement of the detector

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.

Multi-purpose use, medium workflow

The DigitalDiagnost Compact is a cost-effective X-ray system for multi-purpose use and medium workflow. Medical facilities often use this room as a chest room, which may also serve as a back-up general DR room. You can expand the full range of standard radiography applications by adding the wireless detector. Additionally, it allows you to take free exposures and carry out bed exams.

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):
• Wireless portable detector
• Automatic collimation
• Tracking and move-to-position
• PCR integration

DigitalDiagnost single detector compact room

Configuration example
• 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)
• Optional height adjustable trolley (TA-M)
• Eleva workspot with touchscreen monitor
• Optional wireless portable detector
• UNIQUE image processing

All-in-one for all applications

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.

Very versatile

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 with an integrated detector and 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. The wireless detector comes in handy for bed or wheelchair exams. An optional swivel unit allows to rotate the table, thus providing better access to the system especially in small rooms. This way, it enables the performance of special exams like standing feet exposures. Furthermore, it allows for convenient use of a trolley in trauma situations.

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):
• Wireless portable detector
• Horizontal motorized movements, plus extended move-to-position and alignment functionality
• Swivel unit for TH-S table
• Vertical stand display
• Automatic image stitching
• Clinical QC (quality control)
• PCR integration

DigitalDiagnost single detector standard room

Configuration example
• 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)
• Single side suspended height adjustable table (TH-S) optional with swivel unit
• Optional movable trolley (TA-M)
• Eleva workspot with touchscreen monitor
• Optional wireless portable detector
• UNIQUE image processing
• Tracking

Benefit from cross table projections: lateral projections even for difficult angulated views

Features and options starting on page 14

Excellence and efficiency

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.

The easy switch

The two detectors make it easy to switch from table to chest exams. Using the wireless detector as an additional detector further expands the range of applications. Moreover, automated functions such as auto collimation and move-to-position help increase workflow.

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):
• Wireless portable detector
• Vertical stand display
• Second table control
• Automatic stitching
• Clinical QC
• PCR integration

**DigitalDiagnost dual detector
high performance room**

Configuration example
• 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)
• Eleva workspot with touchscreen monitor
• Optional wireless portable detector
• UNIQUE image processing
• Tracking

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 increases the range of applications

Designed to improve your workflow

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 radiography 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 Eleva workspot. The algorithm is fully automatic, rendering manual interaction unnecessary although any manual adjustments can be made. Furthermore, this package also provides special orthopedic 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.

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 extended to allow improved automatic movements.

Detector 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.

Swivel unit for TH-S table (optional)

The swivel unit allows to rotate the TH-S table 90° around the vertical axis of its base. This is particularly

Easy switch from table to chest: automatic move-to-position at the press of a button

useful in small rooms as it provides better access to the system and more space to perform special exams e.g. exams in a wheelchair or bed, standing feet exposures. Automatic image stitching in standing position becomes even more comfortable as this option enables you to smooth out the table easily. Furthermore, the swivel unit allows for convenient use of a trolley which is especially helpful in the emergency department.

Images are directly stitched together at the acquisition console

Orthopedic patient stand

Swiveling TH-S table

Cable-free for free exposures

The wireless portable detector from Philips makes DigitalDiagnost rooms even more flexible and efficient. As an additional detector for DigitalDiagnost single and dual detector configurations, it enhances workflow. Experience the wireless innovation while taking free trauma, orthopedic and routine exposures.

Detect the wireless portable detector

Use the wireless portable detector to carry out even the most difficult projections at the table, patient bed, wheelchair or trolley. All images are instantly displayed in high resolution at the Eleva workspot, facilitating workflow and contributing to cost reduction. What's more, you'll benefit from convenient handling and high hygienic standards with the wireless detector's cable-free design.

Maximize utilization with optional accessories

To minimize your physical involvement, Philips has developed two detector holders – one is mobile for general projections in the DR room, the other can additionally be used at the table or a patient's bed. The detector holders can be used both with the wireless detector and all CR cassette sizes. To perform weight bearing feet examinations, Philips offers a protector. Neither the protector nor the hygienic bags which shield the detector from blood, water and other fluids interfere the high resolution image quality.

Robustly built

The wireless detector boasts a robust outlay and can be used for bariatric patients of up to 135 kg (298 lbs) in bed thorax examinations and for up to 100 kg (220 lbs) for weight bearing exams. The solid structure of the wireless detector survives a drop test of up to 70 cm (28'') . Plus, it is also liquid splash-resistant for easy cleaning.

Future-proof

The future is already built into the current release of DigitalDiagnost. If you buy a DigitalDiagnost with Eleva today you can integrate the wireless portable detector later. This is the true value of Philips scalability concept. And the future doesn't end here: Step by step Philips continues to incorporate your input with regards to wireless technology.

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 details and achieves detailed clarity in all areas
• Eliminates processing artifacts
• Permits a visually identical impression for CR and DR, including images from the wireless portable detector
• 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

Making the medical data highway even easier

The wireless portable detector allows to carry out even the most difficult projections at the table, patient bed, wheelchair or trolley

CR cassettes are especially suited for smaller body parts. The CR images appear on the Eleva workspot console and are stored in the same patient folder as the images made with the fixed or the wireless detector

CR or wireless – freedom of choice

Philips' fixed digital detectors in the Bucky table or the vertical stands offer a high degree of flexibility. However, for special projections a portable image receiver is paramount. With Philips you have the choice between Computed Radiography (CR) and the wireless detector. Since CR cassettes come in different sizes, they're especially suited for smaller body parts, such as those found in pediatrics. If instant image display is of foremost importance, as in trauma situations, Philips recommends the wireless detector. Scheduling, exams, data handling and image processing with the Eleva workspot and UNIQUE follow the same pattern for both CR and wireless acquisitions.

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
DICOM WLM, Work List Management (optional)

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.

A vertical stand display allows to address the patient personally

DICOM MPPS (optional)
(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 (optional)

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.
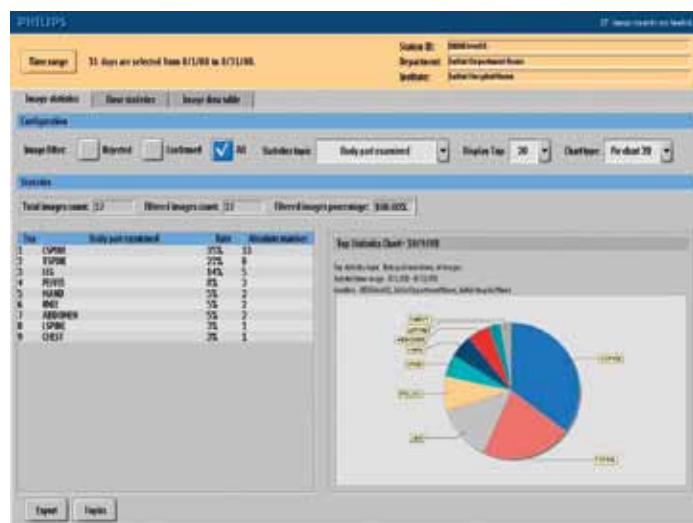
Clinical Quality Control (QC) enables statistical analysis of all images

Information in safe hands

Ensuring confidentiality

Philips emphasizes the security of medical devices including the wireless portable detector. When used properly, the security features of Philips products make it easier for users to ensure the confidentiality, integrity and availability of patients' medical information.

DigitalDiagnost security features include:
• Unique user identification & authentication mechanism (password protected access)
• Operating system "hardening"
• Hardware firewall (optional)

Access to all data is password protected

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 Healthcare products. Philips MDS2 forms are available to customers and potential customers online at www.healthcare.philips.com/main/support/productsecurity.

Perfectly safe – the wireless portable detector

The wireless portable detector uses standard WiFi wireless technology to transfer data to the docking station. This technology is perfectly safe in combination with current clinical devices and equipment already in use. Moreover, the wireless link between DigitalDiagnost and the detector is WPA 2 encrypted. Only raw image data is transmitted via this connection and the link to patient information is only performed at the Eleva workstation.

We're at your service

Services – A full lifecycle solution

The success of your organization depends on people. Philips Services are designed with that in mind – creating healing environments, developing your staff, improving your organization's performance, and increasing patient satisfaction.

Depend on us. The resources, training, and support we offer, enable you to focus on what's most important – your patients.

Philips provides a full lifecycle solution designed around your patients, your people, and your organization. We help you succeed in every phase of system ownership, from planning to start-up, through peak usage and renewal.

Planning

Understand how and when the right equipment and services contribute to better patient care and better economics.

Start-up

Make the most of your system as quickly as possible.

Peak Usage

Extract maximum utility out of your system day to day.

Renewal

We'll help you make smart decisions on upgrading or transitioning to a new system.

First-rate care

IMV, one of the most recognized independent third-party research firms, ranked Philips Healthcare No. 1 in overall service performance in its 2007 ServiceTrak™ Imaging – All Systems customer survey. So your trust is well placed in our integrated concepts. Philips global service network, our highly qualified service engineers, the individual attention of our service technicians and the international availability of spare parts combine to provide our seam-less service support for every season of your ownership.

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 close look

We guide you through the decision making process. We pave your way to filmless efficiency. We boil all those questions down to a few basic essentials by minutely evaluating your application mix, your throughput and your financial resources.

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 radiography 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. Your DigitalDiagnost system can 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.

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.
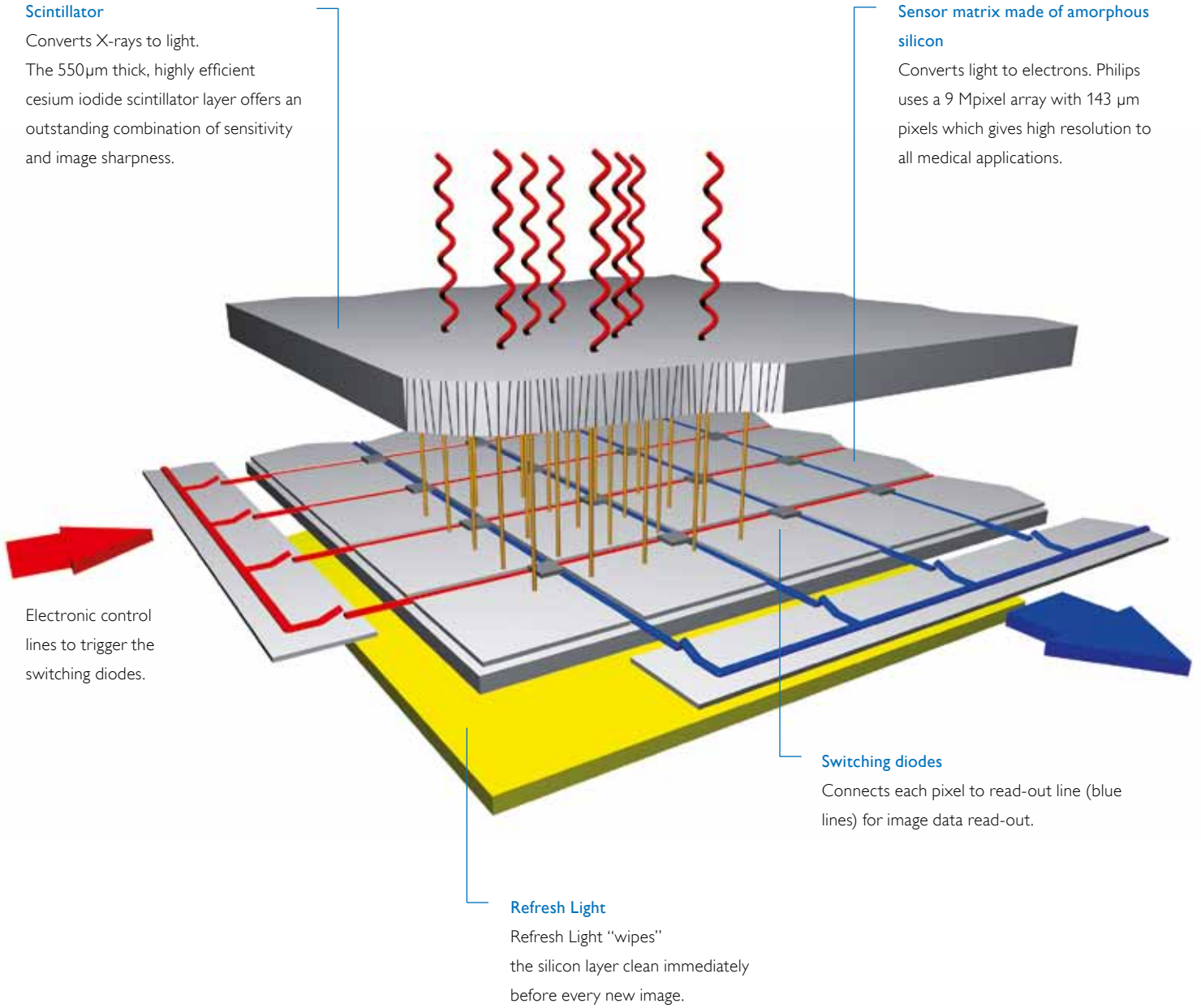
The figure to the right shows our fixed flat detector in every detail. The technology is similar in both fixed and wireless versions. With in-depth knowledge of material and physical phenomena, we have created a precision tool that easily masters the constant demands placed on everyday radiography operation. For example, our best-in-class electronics provides 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.

Scintillator

Converts X-rays to light.
The 550µm thick, highly efficient
cesium iodide scintillator layer offers an
outstanding 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.

Electronic control
lines to trigger the
switching diodes.

Switching diodes

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

Refresh Light

Refresh Light "wipes"
the silicon layer clean immediately
before every new image.

Acquisition console

On the DigitalDiagnost Eleva workspot, the clinical image is available within seconds after the exposure.

- Consists of a powerful computer, 19" LCD color touchscreen monitor
- 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 detectors

The DigitalDiagnost flat detector in both fixed and wireless versions is made of amorphous silicon and cesium iodide scintillator for excellent image quality even when using low X-ray dose.
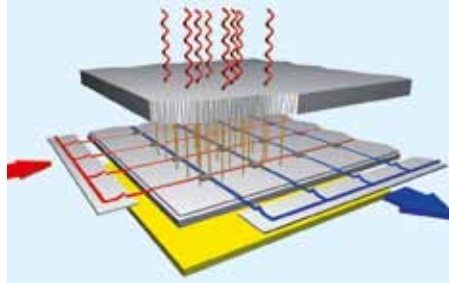
Fixed detector
- Completely integrated into the radiographic table TH and all vertical stands
- Large size (43cm x 43cm / 17" x 17") for high projection flexibility even with large patients
- Resolution up to 3.5 lp/mm, 143 μm pixel size

Wireless portable detector
- Convenient handling and high hygienic standards with cable-free design
- Suitable detector size (35 cm x 43 cm / 14" x 17") to carry out even the most difficult projections
- The detector is recharged automatically when placed in its wall-mounted docking station
- Robust design guarantees a drop height of 70 cm (28")
- Resolution up to 3.47 lp/mm, 144 μm pixel size

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

Tube carrier

All DigitalDiagnost systems come with a ceiling suspension (CS).

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 different versions for a full range of transverse movement

Generators

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

50, 65 or 80 kW

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

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

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
- 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

Single side suspended table TH-S
- Single side suspended X-ray transparent table especially designed for combining with the moveable vertical stand, DigitalDiagnost VM
- X-rays from head to toe due to its large X-ray transparent area
- Wide floating table top
- Motorized height adjustment
- Optional swivel unit to rotate the table 90° around the vertical axis*
- Easy horizontal and vertical patient positioning due to large movement range
- Easy patient transfer at any working height

* Not available in all countries. Please contact your nearest Philips Healthcare representative.

- Hands-free operation via foot switch
- Electromagnetic brakes for a high level of patient security
- Maximum patient load: 225 kg / 496 lbs (dynamic load)

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
- 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

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 immed-iate 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 exami-nations of patients on a stretcher, plus straightforward exams of extremities for seated or standing patients (optional)

Accessories

To ensure optimal patient positioning, image quality and patient comfort, Philips offers a wide variety of accessories for:
• Tube carriers
• Tables
• Vertical stands
• Systems
• Generators
• Wireless portable detector

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

Second table control

Parking frame for accessories

Movable detector holder

Contact your nearest Philips Healthcare representative to find out how the scalability concept supports you to shape your ideal digital radiography room.

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