Решения для терапии под визуальным контролем Технические характеристики

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Image-guided therapy

Interventional imaging systems, smart devices, software and services

See clearly. Treat optimally.

Every day you navigate some of life's most challenging situations amidst the complexities of modern healthcare. Your work inspires us to develop more seamless solutions – to help you decide, guide, treat, and then confirm the right care, for every patient, in real time.

Today, the Philips portfolio of image-guided therapy (IGT) solutions uniquely integrates best in class imaging systems and software, with specialized diagnostic and therapeutic devices to support exceptional treatment for even the most complex procedures.

What's next? More meaningful innovation for more interventional procedures, and continuing support for you with evidence-based technologies to simplify workflows, enhance patient care and reduce costs.

Together, we make life better.

Perspectives in image-guided therapy

Dr. Carlos E. Ruiz

MD, PhD, Chair, Structural Heart and Congenital Heart Disease, Hackensack University Medical Center

Customer perspectives

Physicians share the ways Philips image-guided therapy innovations deliver value in the diagnosis and treatment of patients.

Prof. Spelle

Interventional Neuroradiologist, Chairman NEURI, the Brain Vascular Centre Hôpital Bicêtre AP-HP, Paris France

Hear more from key opinion leaders

Explore our customer success stories and insightful articles from leaders in image-guided therapy

The next leap in lab integration: Philips Azurion, an interventional suite guided by you

With the next generation of our Azurion platform you can control compatible applications for diverse interventional procedures from one touch screen module at table side, to support fast, informed decisions.


PHILIPS

QuickClear mechanical thrombectomy system

The QuickClear mechnical throbectomy system is a comprehensive solution in a compact package. Its powerfully simple design requires no capital equipment, maximizes aspiration power and supports faster set-up and procedure times.

Extensions to our image-guided therapy portfolio

Supporting you at every turn

DoseWise
IGT services
IGT upgrades
IGT refurbished systems

Azurion 7 C20 with FlexArm

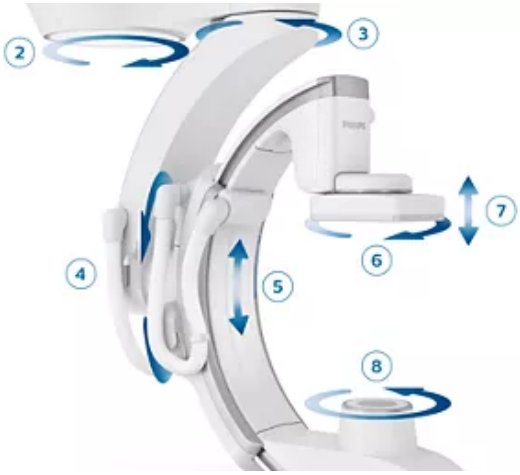
Image-guided therapy system

This ceiling-mounted system provides unlimited imaging flexibility for diverse procedures and exceptional positioning freedom for medical teams. Its compact set-up provides a highly cost-effective environment, ready for the procedures of the future. Seamlessly control all relevant applications from a single touch screen at table side, to help make fast, informed decisions in the sterile field. By working around you, Philips Azurion with FlexArm helps you advance your suite performance and deliver superior care.

Find out how Azurion 7 C20 with FlexArm can benefit your interventional and surgical procedures.

30% reduction in table repositioning with Philips FlexArm geometry – an independently verified study.

Features



Unlimited imaging flexibility

Azurion 7 C20 with FlexArm rotates on no less than eight axes to create virtually unlimited flexibility to perform imaging, from head to toe on the left and right side for 2D and 3D visualizations. The image beam remains aligned with the patient, allowing better visualization of anatomies during rotations or angulations. Consequently, 100% of participants confirmed in a user study that FlexArm would allow them to work with great flexibility.[1]

More independent control for physician

FlexArm further evolves Azurion’s table side control with the intuitive Axsys controller to make procedures flow naturally and easily. When changes or complications occur, the physician can quickly and easily take action. This can also reduce the need for the physician and other staff to move in and out of the sterile field during a procedure.

Full staff positioning freedom

FlexArm's positioning flexibility frees up medical teams to choose the best working position. The C-arm’s 270-degree range of movement allows all imaging positions to be reached without hampering optimal team positioning and without needing to move the patient table. This avoids disturbing equipment and instruments, and keeps the anesthesia zone free.

Improved workflow for multiple patient access points

The FlexArm C-arm can provide off-center imaging along both sides of the table. This allows physicians to perform radial or brachial access cases on the left or right arm, fully or partially extended, without moving the patient or pivoting the table. The X-ray beam stays aligned with the arm to promote smooth navigation over its full length without making constant adjustments.

Increase lab utilization with procedure-based workflows

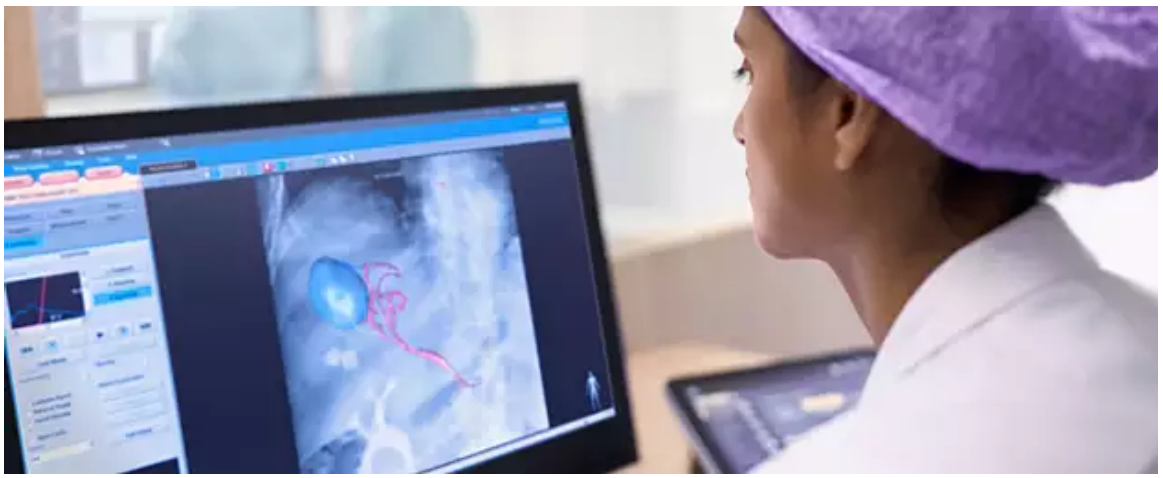
FlexArm's movement flexibility combined with Axsys motion control system and ProcedureCards allow you to work according to procedure-based workflows to perform a broader mix of procedures. This has been shown to slash system positioning time by 27%[1] compared to labs with conventional interventional systems.

Supports multiple specialties now and in the future

FlexArm's unlimited imaging and staff positioning flexibility allowing procedure-specific workflows, create the ideal treatment environment for multiple specialties in one room. Imagine a combination of surgical and endovascular procedures, cardiac, peripheral procedures and orthopedic surgeries.

Specifications

FlexArm stand



Do more with flexible working

This system has been specifically designed to save time. Team members can work on multiple activities - at one or more workspots in the control and exam room - without interrupting each other. So while fluoroscopy/exposure is being done, staff in the control room can review previous images from the patient, prepare the next exam or finish reporting on another patient.

Streamline workflow

FlexSpot enables you to efficiently view, control and manipulate all applications from a single point in the control room. This integrated, clutter-free work spot has one or two 27-inch widescreen monitors and one mouse and keyboard. From here you can control multiple external sources, set-up screen layouts and access available applications. Add more FlexSpots as needed.

Manage dose efficiently

The Azurion 7 C20 with FlexArm also features ClarityIQ, our X-ray imaging technology which provides high quality imaging for a comprehensive range of clinical procedures, achieving excellent visibility at low X-ray dose levels for patients of all sizes. It is part of our comprehensive suite of DoseWise solutions, which help you to take control over patient care, staff safety and regulatory compliance.

Best service performance enables you to treat more patients

Today’s healthcare environment is challenging enough without the worry of keeping your systems running smoothly. With Philips, your operations are protected by the best overall service engineer performance for imaging systems according to IMV ServiceTrak for 5 years in a row.[3] Philips remotely connected systems provide 135 more hours of operational availability per year, enabling you to treat more patients.[4]

Increase return on investment

We offer innovative financing solutions, a flexible service offering and a professional support network of over 7,000 field engineers to help you fully leverage your resources and boost the return on your investment. Our broad range of healthcare consulting and education programs can help you further enhance the efficiency and efficacy of your care delivery process.

Seamless user experience to enhance decision making

To support fast, informed clinical decisions, you can control compatible applications, such as our physiology and imaging platform IntraSight, Philips Interventional Hemodynamic system and interventional tools, via the central touch screen and FlexVision Pro at table side. This allows you to confidently evaluate and decide in the sterile field, saving time and helping avoid delays.

Safeguard clinical performance over time

The standard Windows® 10 platform can help support compliance with the latest security and standards to protect patient data. It can also accommodate new software options to extend your system's clinical relevance over time.

Iso-center to floor	106.5 cm (41.9 inch)
Transversal movement	Movement range is 236 cm (92.9 inch)
Longitudinal movement	Movement ranges: 285 cm (112.2"), 455 cm (179.1") or 635 cm (250")
C-arm rotation angles	In head-end position: 120° LAO, 185° RAO. Side position: 90° LAO, 90° RAO
C-arm rotation speed	Speed up to 25°/sec and 40°/sec for rotational scan in side position.
C-arm angulation angles	Head-end pos.: 90° cranial, 90° caudal. Side pos: 185° cranial, 120° caudal
C-arm angulation speed	In head-end position: up to 25°/sec. In side position: up to 25°/sec.
Focal spot to iso-center	81 cm (31.9 inch)
Source Image Distance	89.5 - 119.5 cm (35.2 - 47 inch)
C-arm depth	90 cm (35.43 inch)

Monitor options - Boom

2 Fold MCS	2x 27" Full HD widescreen
4 Fold MCS	3 or 4x 27" Full HD widescreen
FlexVision MCS	1x 58" screen with 8 Megapixel

Table

Height	74 cm - 102 cm (29.1 inch - 40.2 inch)
Length	319 cm (125.6 inch)
Width	50 cm (19.7 inch)
Long. float range	120 cm (47.2 inch)
Lat. float range	36 cm (14.2 inch)
Max table load	325 kg (715 lbs)
Max patient weight	250 kg (551 lbs)

Monitor options – rail suspension

2 Fold MCS	2 Fold MCS 2x 27" Full HD widescreen
4 Fold MCS	4 Fold MCS 3 or 4x 27" Full HD widescreen
6 Fold MCS	6 Fold MCS 3 or 4x 27" Full HD widescreen + 2x 27"
FlexVision MCS	FlexVision MCS 1x 58" screen with 8 Megapixel
FlexVision MCS	FlexVision MCS 1x 58" screen + 2x 27" Full HD widescreen

Monitor options – 3rd party boom

Monitor Option	1 or 2x 27" or 32" Full HD

1. Compared to the suites with Azurion 7 C20. Evaluated with clinical users in a simulated suite environment after approximately 20 minutes of practicing C-arm and table positioning.

2. Philips Azurion Simulation Study 2016 - 12NC 452299123041 - FEB 2017. Results are specific to the institution where they were obtained and may not reflect the results achievable at other institutions.

3. IMV ServiceTrak 2018 X-ray Cardiovascular Systems.

4. Based on the comparison between remotely connected and non-remotely connected systems. Data sample from 2018 for Allura FD and Azurion systems (n=9955).

5. The related tests were performed by three users with different background and experience level. The test timings were performed using a frontal plane of an Azurion biplane R2.1 system (FD20/15N, STM-1713 (Dick Bruna), location QL-1).

Azurion Hybrid OR

Outstanding procedural flexibility, efficiency and ease of use

The Azurion Hybrid OR opens the door to new procedures, in an environment designed to support you in performing a wide range of open and minimally invasive treatments. The solution gives your medical teams outstanding flexibility, efficiency and ease of use. Work with confidence, supported by market-leading 2D and 3D image guidance, stringent infection control and dose management measures. The Azurion Hybrid OR solutions enable your facility to be at the forefront of clinical excellence, while helping you reduce the cost of care.

Features

Excellent imaging and workflow optimization

The Azurion 7 enhances clinical workflow with market-leading 2D and 3D Live Image Guidance. Multi-workspot technology enables team members to work on all activities without interrupting each other. With flexible control, applications can be operated at tableside or from other parts of the exam or control room. Our customers have reported numerous improvements in lab performance, including a 17% reduction in procedure times. [1]

Full positioning freedom and ease of use

FlexArm clears the room for free positioning of staff and facilitates full patient coverage with symmetrical access on both sides of the table. The imaging system can be easily re-positioned for different procedures, or completely moved away from the table. FlexArm achieved an exceptional score of 92 [2] out of 100 on the System Usability Scale (SUS), a scientifically proven independent scale on which technological systems score 68 in average.

Switch to the clinical suite you need

As part of your Azurion Hybrid OR, our clinical suites offer a flexible portfolio for vascular, cardiac, spine, neuro, lung, and ortho/trauma interventions. Dedicated interventional tools and advanced devices support each step of your procedure as you decide, guide, treat, and confirm treatment results. ProcedureCards simplify and standardize system set-up for all cases, from routine to mixed and complex procedures.

Effectively manage radiation dose

The Azurion system includes DoseWise, a comprehensive range of dose management tools and technologies. The ClarityIQ technology provides high quality imaging with excellent visibility at low X-ray dose levels for patients of all sizes. Next to that, the DoseAware family offers immediate feedback on dose to increase radiation awareness and help manage occupational medical radiation exposure to physicians and staff.

Excellent support of your hygiene measures

The design of our systems aids you in maintaining a sterile healthcare environment. Ventilation systems can meet the most stringent standards for clean air in combination with our ceiling-suspended geometry [4]. Azurion enables a reduction of movements in the room [3] – of the imaging system but also of staff – which is an important contributor to hygiene. Even with staff and equipment in the room, air quality remains well within the thresholds for microbiological air pollution in an operating room. [4]

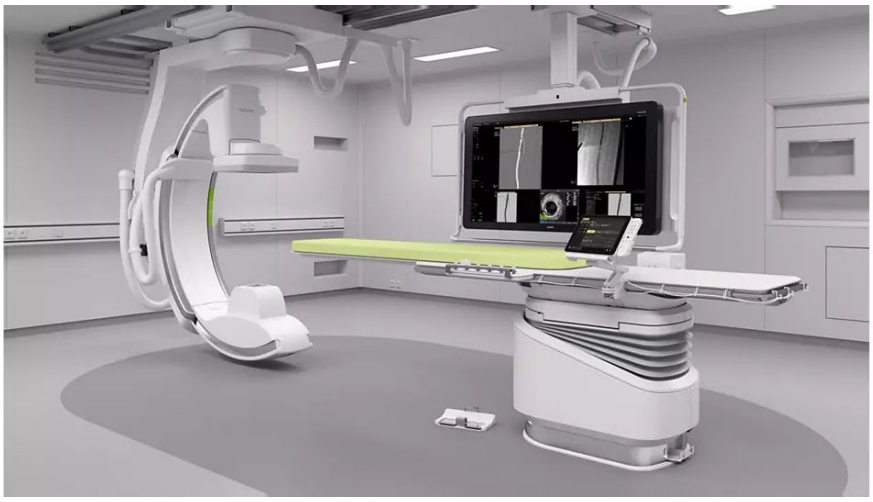
Seamless integration in your OR

Philips OR systems, interventional devices and clinical tools provide you with the integrated solution you need. Our products also work seamlessly with those of our major OR partners Getinge, Hillrom, NewCompliance, Mavig, Steris, Skytron, and Stryker. Where possible, we leverage your existing resources to help you achieve clinical and economic benefits.

Azurion 5 C20 & Azurion 5 F20

Image-guided therapy system

Elevate your interventional capabilities with the Azurion 5 with 20" flat detector. Your interventional teams benefit from superb consistency and efficiency as they perform diverse vascular and cardiac procedures. Seamlessly control all relevant applications at table side for a consistent user experience, excellent lab performance and patient care.



Features

Full control at table side

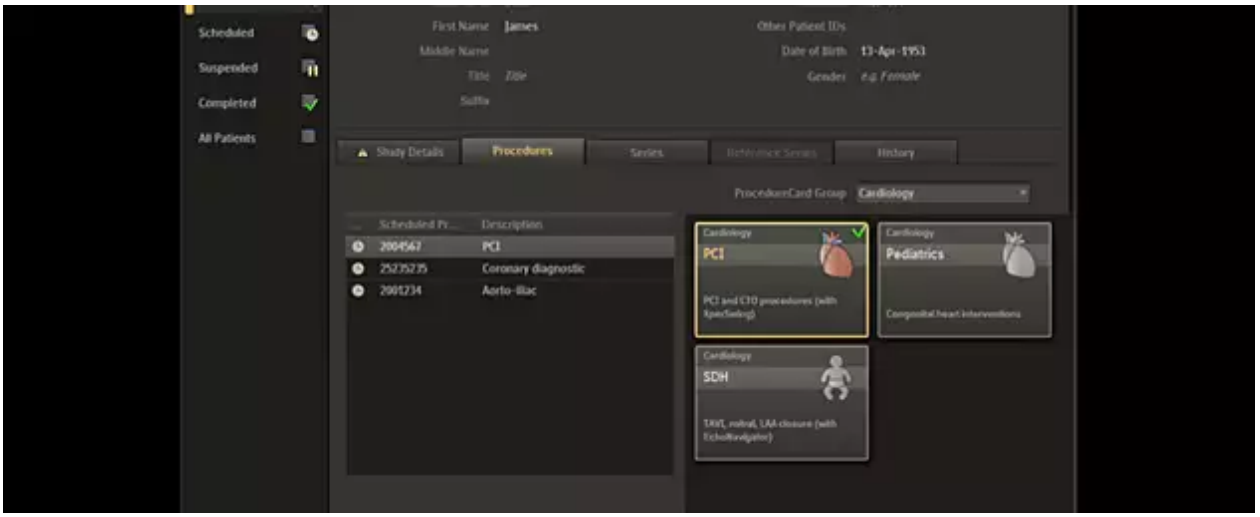
You can control all relevant applications, such as our physiology and imaging platform IntraSight, Philips Interventional Hemodynamic system and interventional tools, via the central touch screen module at table side. This supports clinical decision making in the exam room, and helps reduce the need for sterility breaks. This can save time and help avoid delays.

Clinical demands are getting more specific. So are we.

Our clinical suites are tailored to meet your specific challenges, while offering you the flexibility to carry out procedures in the easiest, most efficient way. We have a flexible portfolio of integrated technologies and services to support a wide variety of interventional procedures.

Enhance visibility

Thanks to the next-generation 20" detector your vascular procedures can benefit from excellent image quality. Its wider anatomical coverage allows you to perform diverse procedures. The superb Philips image processing chain is designed to visualize small vessel details with exceptional clarity. This system also supports head-to-toe imaging and patient access from all sides.



Standardize set-up and operation

The system uses ProcedureCards to simplify and standardize system set-up for all cases, from routine to mixed procedures. For example, the system automatically selects the relevant ProcedureCard(s) based on the RIS/HIS/CIS code of the scheduled procedure. Presets (e.g. most-frequently used, default protocols and user-specified settings) facilitates you in increasing exam consistency.

Azurion 3 F12

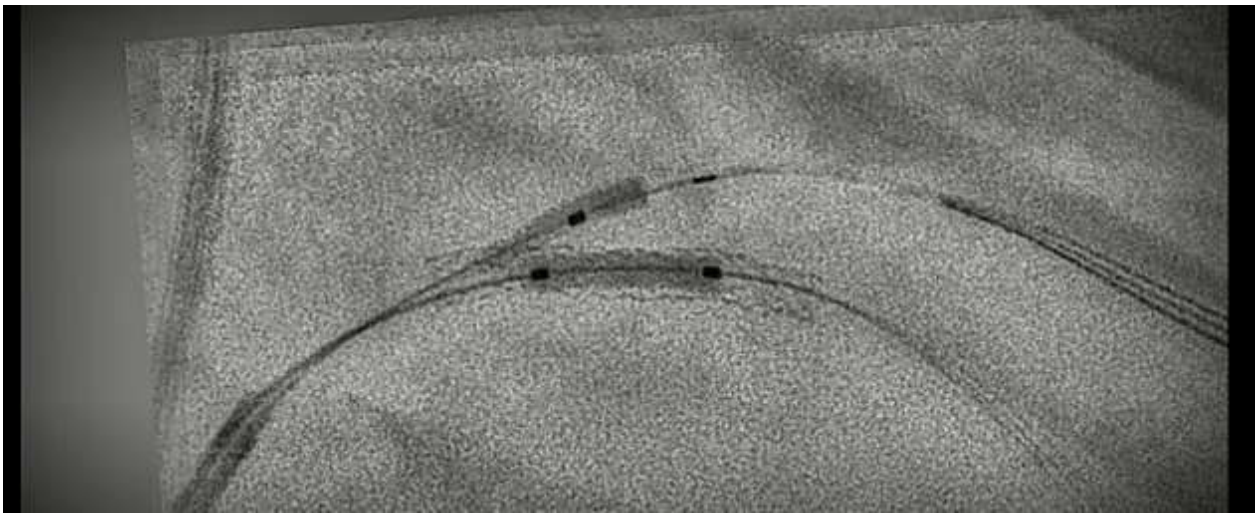
Image-guided therapy system

Elevate your interventional cardiology capabilities with the Azurion 3 with 12" flat detector. This high performance image-guided therapy system allows interventional teams to perform routine and challenging cardiac interventions. Seamlessly control all relevant applications from a single touch screen module at table side for a consistent user experience, and excellent lab performance and patient care.

Features

Full control at table side

You can control all relevant applications, such as our physiology and imaging platform IntraSight, Philips Interventional Hemodynamic system and interventional tools, via the central touch screen module at table side. This supports clinical decision making in the exam room, and helps reduce the need for sterility breaks. This can save time and help avoid delays.

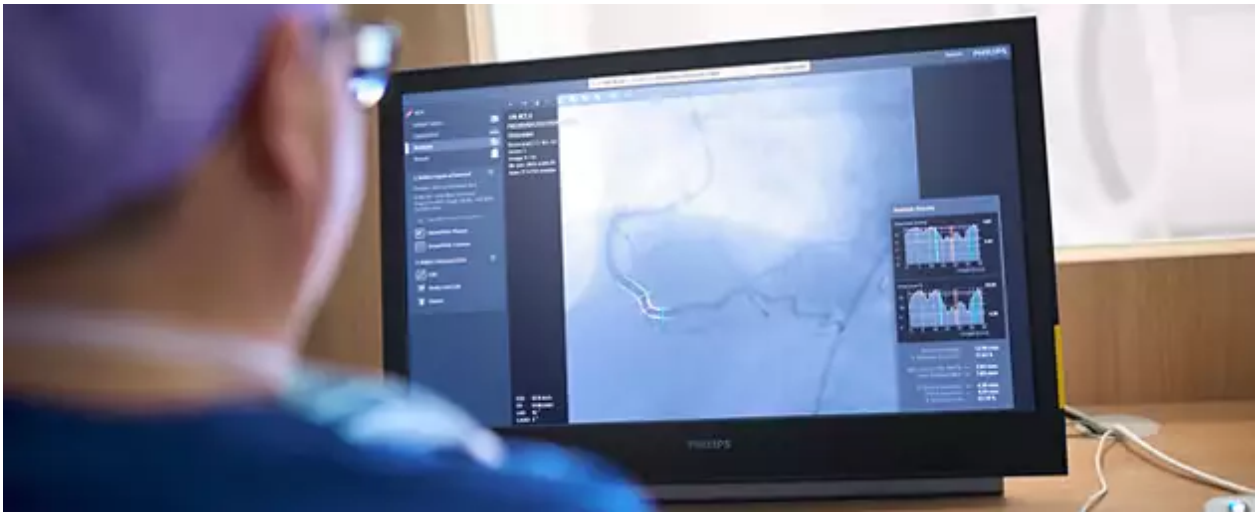


Clinical demands are getting more specific. So are we.

Our clinical suites are tailored to meet your specific challenges, while offering you the flexibility to carry out them out in the easiest, most efficient way. We have a flexible portfolio of integrated technologies and services to support the full interventional spectrum.

Deepen insight

The 12" flat detector provides high-resolution imaging over a large field of view (FOV). You can visualize the aortic valve and a significant portion of the aortic arch or the entire coronary tree in a single view. Thanks to the compact design, a full range of projection angles can be made.



Do more with flexible working

This system has been specifically designed to save time. Team members can work on multiple activities - at one or more workspots in the control and exam room - without interrupting each other. So while fluoroscopy/exposure is being done, staff in the control room can review previous images from the patient, prepare the next exam or finish reporting on another patient.

Mattress (blue, green and yellow)

FCV0246

Key benefits:

- Supports patient comfort.
- Adapts to the shape of the patient's body

To support patient comfort the inflatable mattress is placed on the tabletop for every procedure. It is 7 cm thick and adapts to the shape of the patient's body. The pressure within the mattress is evenly distributed so that it recovers its original shape quickly. The mattress is not made with natural rubber latex

Dimensions of the mattress:

Length:	2100 mm
Width:	500 mm
Depth :	70 mm
Radius:	150 mm

Long cardio mattress (blue, green and yellow)

FCV0510

Key benefits:

- Supports patient comfort.
- Adapts to the shape of the patient's body

To support patient comfort during cardio procedures. The inflatable mattress is extra-long to accommodate the patient on the table top. It is 7 cm thick and adapts to the shape of the patient's body. The pressure within the mattress is evenly distributed so that it recovers its original shape quickly. The mattress is not made with natural rubber latex

Dimensions of the mattress:

Length:	3165 mm
Width:	500 mm
Depth:	70 mm
Radius:	150 mm

Neuro mattress (blue, green and yellow)

FCV0247

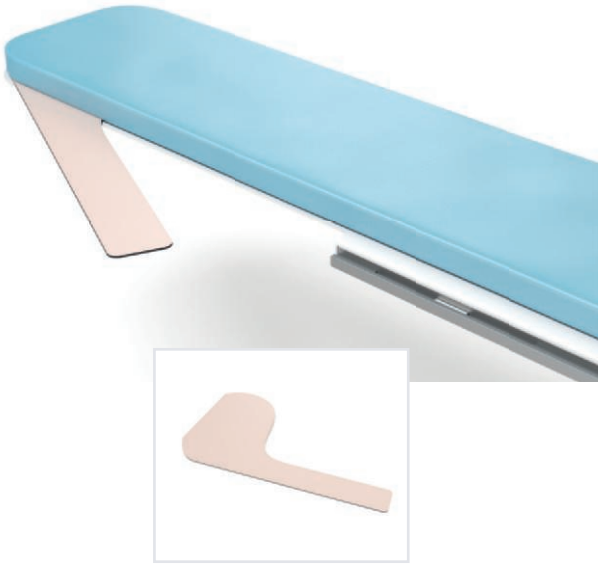
Key benefits:

- Supports patient comfort.
- Adapted shape at the head end
- Conforms to the shape of the patient's body

To support patient comfort during neuro procedures the inflatable mattress is placed on the tabletop for every procedure. The shape is adapted at the head end to accommodate neuro accessories and allow free access to the patient's head. It is 7cm thick and adapts to the shape of the patient's body. The pressure within the mattress is evenly distributed so that it recovers its original shape quickly.
The mattress is not made with natural rubber latex

Dimensions of the mattress:

Length:	2000 mm
Width:	440/500 mm
Depth:	70 mm
Radius:	150 mm



Arm support board

FCV0258

Key benefits:

- Supports patient comfort during catheter usage

The arm support board is used to support the patient's arm during brachio-cephalic catheterization procedures.
When in use, it is placed between the mattress and the tabletop and is kept in place by patient's weight.
The support is made of X-ray transparent material and includes a mattress pad to support the patient's comfort.

Height adjustable arm support
NCVD092

Key benefits:
- Supports patient comfort during catheter usage

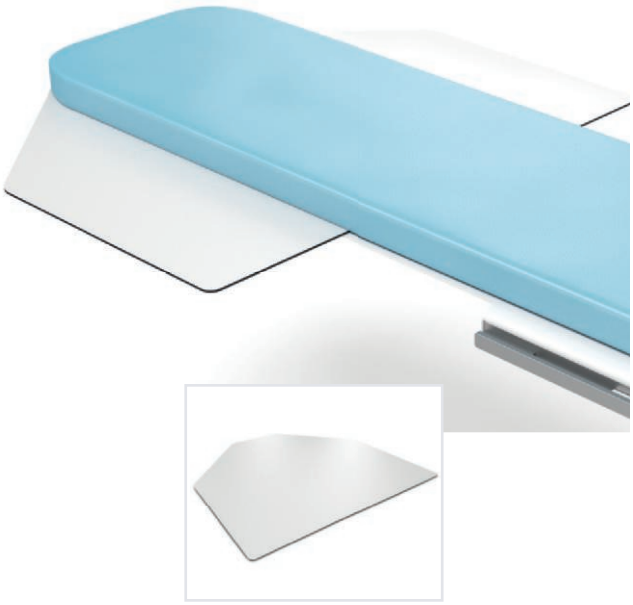
This arm support is used to support the arm during venous digital subtraction angiography (DSA) in order to manage blood flow. It can be attached to the table top.

NOTE: The height-adjustable arm support cannot be used for X-ray procedures on the arm. In such cases, use the arm support board.

Set of elbow supports
FCV0248

Key benefits:
- Supports the patient's elbows

These elbow supports are designed to support the patient's elbows in order to place the arms comfortably during examinations and also to prevent the patient's arms from hanging over the side of the table.



Shoulder support board
NCVD093

Key benefits:
- Supports the patient's shoulders during catheter usage

To support both the arms of the patient during brachio-cephalic catheterization procedures, the shoulder support board is used. When in use it is placed between the mattress and the tabletop and is kept in place by patient's weight. It also provides room for placing catheterization instruments. The support is a flat radio translucent board that is placed under the patient, and part of it protrudes to the left or right side of the tabletop to support the arm.

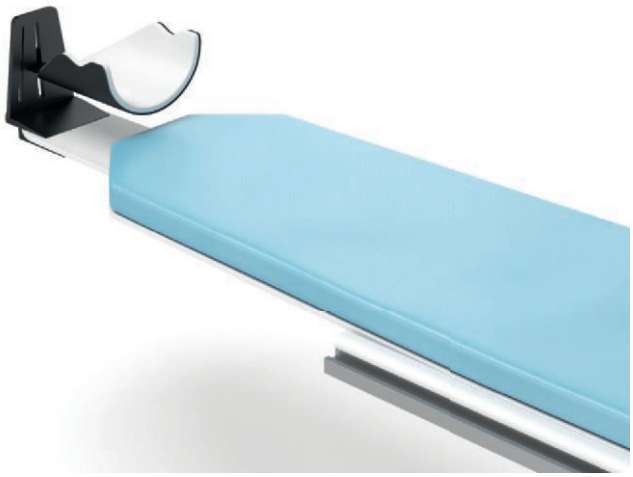
Specifications

Size:	100 x 85 cm
Material:	carbon-fiber reinforced material

Head support
FCV0251

Key benefits:
- Supports patient head
- Reduces image artifacts

During procedures, patient movements can cause imaging artifacts. The head support is used to keep head movements to a minimum. It is designed to support the patient's head during the examination and reduce motion artifacts on images.



Neuro head holder

FCV0706

Key benefits:

- Supports patient head
- Reduces image artifacts

During procedures, patient movements can cause imaging artifacts. The neuro head holder is designed to position and immobilize the head, improve patient comfort and image quality. It can be rotated, angulated, and adjusted in height to the desired position. The unique clamp assembly enables the patient's head to be turned left or right without changing the height, to facilitate easy patient transfer.

Specifications

The neuro head holder consists of:
Head support
Inlay
2 head straps

Neuro wedge

FCV0272

Key benefits:

- The neuro wedge is used to position the head in the iso-center of the imaging field during neuro radiology examinations.

Patient straps
FCV0250

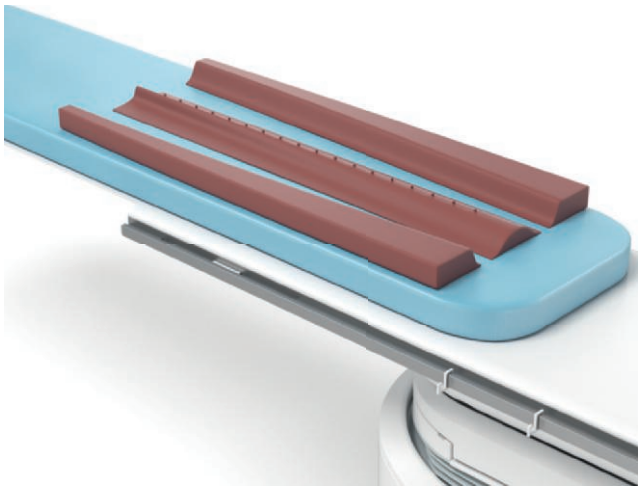
Key benefits:
- Prevents the patient from sliding during table tilt/ cradle movements

During table tilt/cradle movements, the patient straps prevent the patient from sliding off the table.

Ratchet compressor
NCVA099

Key benefits:
- Decreases motion artifacts on images

Patient movement can cause motion artifacts in images. The ratchet compressor is used to immobilize the patient on the table and thereby decrease motion artifacts on images. It can be easily attached to the side of the table. The ratchet winding mechanism is attached to one side of the table. The quick release lever lets you easily pass the compression band over the patient and under the table for symmetrical compression.



Peripheral X-ray filter

NCVA101

Key benefits:

- Obtains uniform density of lower peripheral areas

To help clinicians obtain consistent images of lower peripheral anatomy, this option provides a set of flexible X-ray filters. They provide uniform density in angiographic examinations of the lower peripheral area.

Drip stand

FCV0257

Key benefits:

- Supports infusion bags during examinations

The drip stand is provided to hold two infusion bags next to the examination table for patients or examinations that require fluids. The drip stand can be attached to the rail accessory clamp and adjusted to the necessary height.

Additional accessory rail (EU version)

FCV0816

Key benefits:

- Extend the length of the accessory rail to fit cardio and neuro tabletops
- Position control modules and/or accessories conveniently
- Work comfortably at the head end of the table

To provide more flexibility when working at the head end of the cardio and neuro tabletops, the auxiliary OP (operation profile) rail can be extended by 500 mm with the additional accessory rail. This rail is used to position control modules and/or accessories closer to the head end of the tabletop. This allows the user to work comfortably when performing pacemaker implantations, venous jugular catheter insertions, and other procedures near the patient's head.

Specifications

The additional accessory rail can be mounted on either side of the tabletop where no accessory rails are mounted

The accessory rail has the same profile and dimensions as the current standard accessory rail

The maximum load (downwards) on the additional accessory rail is 100 N (F=100N), determined by the tabletop of the patient table

The maximum mechanical moment on the additional accessory rail is 40Nm downwards and 20Nm upwards (this is limited by the tabletop of the patient table)

Accessory rail + cable extension kit*

FCV0817

Key benefits:

- Extend the length of the accessory rail to fit cardio and neuro tabletops
- Position control modules and/or accessories conveniently
- Work comfortably at the head end of the table

To provide more flexibility when performing procedures, the additional accessory rail accessory with cable extension kit is equipped with everything needed to mount control modules and/or accessories next to the tabletop.

The additional accessory rail can be mounted on either side of the tabletop where no accessory rails are mounted. The additional accessory rail is compatible with AD7 Table (cardio and neuro) patient tabletops. The accessory rail has the same profile and dimensions as the current standard accessory rail. The maximum load (downwards) on the additional accessory rail is 100 N (F=100N), the maximum mechanical moment on the additional accessory rail is 40Nm downwards and 20Nm upwards, determined by the tabletop of the patient table.

Specifications

This option includes the following items:

One additional accessory rail (mechanical) of 500 mm

Cable extension set for accessory rail

Extension cable for control module, 1.3 meters long

One connection box to connect the user interface cables to the module cables

An extension for the table op rail of 500 mm

* Image of cable extension kit is not available

Additional accessory rail (US version)

FCV0815

Key benefits:

- Position control modules and/or accessories conveniently
- Work comfortably at the head end of the table

Work comfortably at the head end of the table

To provide more flexibility when working at the head end of the table, the auxiliary OP (operation profile) rail can be used to position control modules and/or accessories closer to the head end of the tabletop. This allows the user to work comfortably when performing pacemaker implantations, venous jugular catheter insertions, and other procedures near the patient's head. This version of the accessory rail is designed for use in the US only.

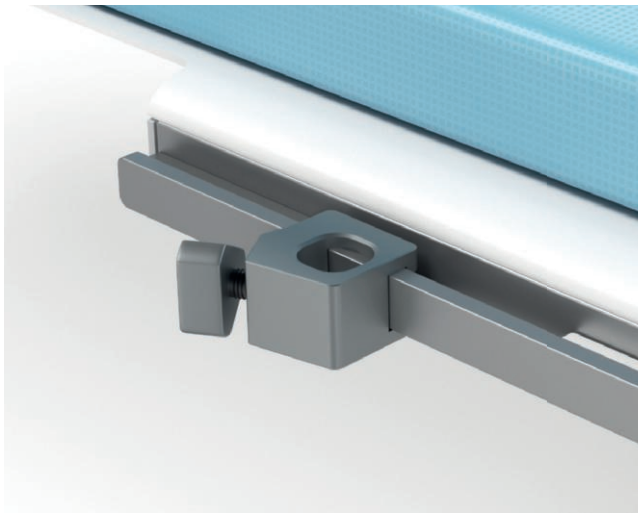


Table accessory rail clamps

FCV0256

Key benefits:

- Position accessories conveniently

During surgical and interventional procedures, it is sometimes useful to attach accessories to the auxiliary accessory rail. A set of three accessory rail clamps can be attached to the table. Accessories, such as a retractor, sheet holder, and others can be inserted and secured in the hole of the clamps. This gives the user convenient access to accessories as they are working.

Specifications

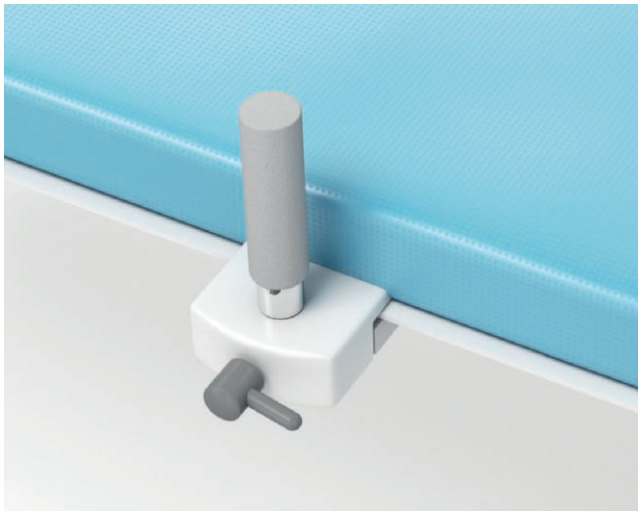
Compatible with Angio Diagnost 7 table
Set of 3 clamps

Table clamp
FCV0249

Key benefits:
- Easily mount accessories on patient table

Table top clamp for mounting on patient table. The table clamp is attached to the sides of the tabletop and is used to mount accessories on the tabletop.

Quantity: 1x



Handgrip and clamp set
FCV0252

Key benefits:
- Supports patient safety and comfort

During procedures, two handgrips are available to support patient safety and comfort. They must be used as safety backups during a tilt/cradle movement. They can be attached to both sides of the tabletop using the tabletop accessory clamps.

Radiation shield

FCV0628

Key benefits:

- Transparent ceiling mounted shield can be easily positioned where needed
- Can be used in combination with lower body radiation shield

Radiation shields can provide substantial protection from scatter radiation during interventions. The ceiling mounted radiation shield is designed to protect the eyes and upper body of the physician and staff against scatter radiation during procedures. The transparent ceiling mounted shield is equipped with a two section suspension arm for mounting on the monitor ceiling carriage. This allows the shield to be easily positioned where needed. It can be used in combination with the table mounted lower body radiation shield.

Table mounted radiation shield

FCV0625

A table-mounted radiation shield for additional protection of physician and staff against scatter radiation

Key benefits:

- Can be used in combination with upper body radiation shield

Radiation shields can provide substantial protection from scatter radiation during interventions. The table mounted radiation shield is designed to offer additional protection for the physician and staff against scatter radiation during procedures. The shield consists of two protective parts: a lower shield and an upper shield.

The shields can be mounted to either the right or left table accessory rails. Each radiation shield can be easily pivoted into the required working position and parked underneath the tabletop to facilitate patient preparation. The upper shield can be positioned upright to provide protection, or can be folded down for free access to the patient.

Specifications

Lower shield measuring 70 cm high x 80 cm wide curved shape, 0.5 mm Pb equivalence
Upper shield measuring 40 cm high x 50 cm wide 0.5 mm Pb equivalence
Mounting clamp
Docking device for wall mounting

Examination Light

NCVA052

Key benefits:

- Provides high intensity illumination of treatment area

The examination Light is designed to provide high intensity illumination of the entire treatment area. Its handgrip allows the light beam to be easily positioned and focused.

Intercom

NCVA082

Key benefits:

- Enhances communication between exam room and control room

The remote intercom is used to communicate between the examination and control room. A separate intercom can be connected to the system and placed in the preferred working position in the control room or examination room. The listen function can be selected separately on each intercom. Activating the talk function on a selected intercom automatically disables this function on the other intercom.

Pan handle
NCVD094

Key benefits
- Flexible positioning during cardio and neuro procedures

The pan handle is an optional extension of the control possibilities for floating movements of the table top in cardio vascular and neuro systems. Flexible positioning during cardio and neuro procedures To allow more flexible positioning during cardio and neuro procedures, the pan handle option can be used to perform floating table movements. The pan handle provides a solid grip of the tabletop and can release and apply the tabletop brakes. It can be attached anywhere along the tabletop and accessory rails without affecting the floating range.

Specifications

Pan handle with cable and connector
Table-top attachment clamp
Accessory-rail attachment clamp

DVD writer
NCVD097

Key benefits
- Store images and information on DVDs for easy sharing

To provide flexible storage options, a DVD writer is available with the Philips X-ray system. Procedural images and information can be stored on DVDs and used for archiving, training and presentations.

Specifications

Export of X-ray images and X-ray runs to DVD

IntraSight

Interventional applications platform

The IntraSight applications platform is where imaging, physiology, co-registration* and software all come together to clearly identify coronary and peripheral artery disease, and allow for more optimized treatment plans. IntraSight is built on a new foundational platform designed to meet the evolving needs of your lab today and tomorrow.

Features

Smart, simple and seamless

Built on a new foundational platform, IntraSight provides more information through iFR/FFR and IVUS modalities in conjunction with the angiogram to provide superior patient care, deliver an outstanding user experience and optimize lab performance.

Provide superior care

IntraSight offers a comprehensive suite of clinically proven modalities to simplify complex interventions, increase the speed of routine procedures, reduce the cost of care and may help improve patient outcomes.

Designed to meet the evolving needs of lab

IntraSight is built on a foundational platform capable of quickly adding new innovations to your lab, thus ensuring you always have our latest technologies to treat your patients.

Seamlessly integrate into lab

Improve lab performance with seamless integration into any lab, efficient work flows and intuitive user controls. Increase case efficiency, save time and reduce errors with streamlined data flow and case management.

Philips ecosystem advantage

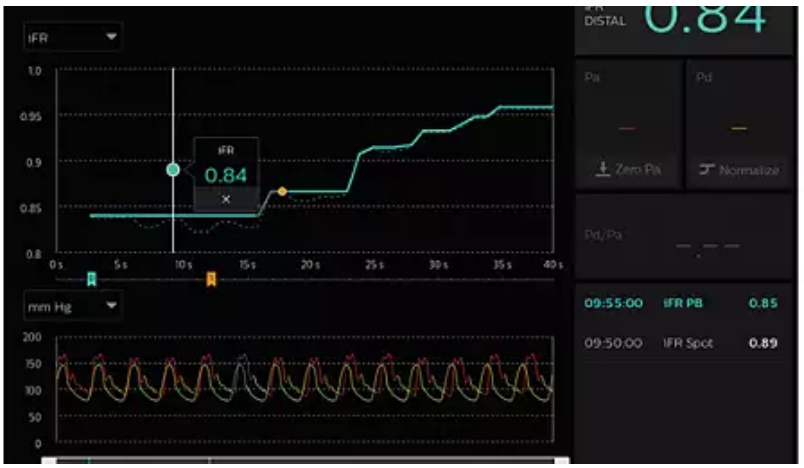
Reduce procedure times when integrated with a Philips X-ray system and import patient information at the touch of a button.

Full procedural control

Take full procedural control tableside with the all new touchscreen module (TSM) and run an entire case without breaking scrub.

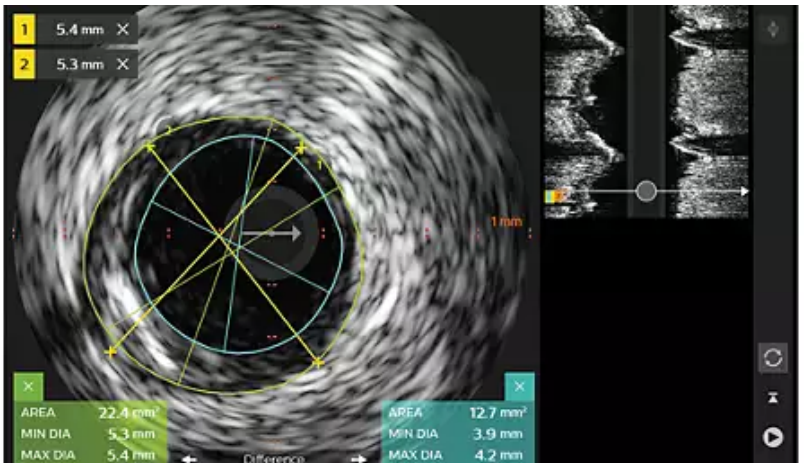
Intuitive Demonstration Mode

Enable faster training, increase workflow confidence, and maintain staff proficiency with Demonstration Mode.



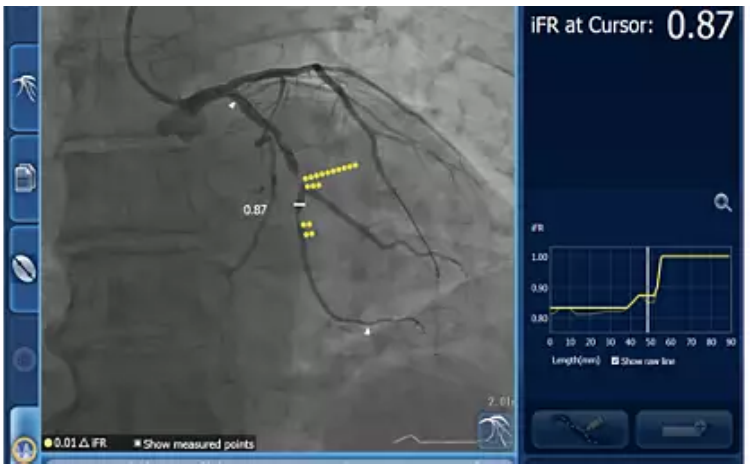
iFR reduces procedural time and costs per patient[1],[2]

Only iFR has clinically validated patient outcome data in the largest physiology studies ever conducted.[1],[2] Only iFR has been proven to save time and money per patient, on average, in the cath lab.[1],[2] iFR modality simplifies workflow by providing a hyperemia-free measurement to assess lesion significance in as few as five heartbeats.



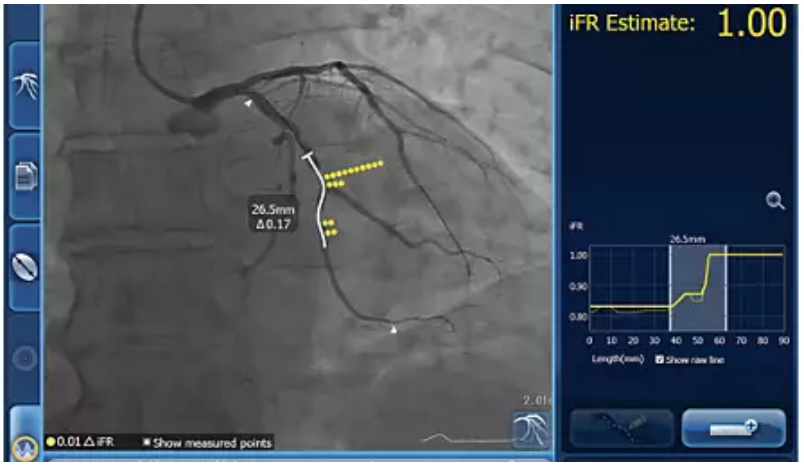
IVUS helps with disease assessment

IVUS imaging helps physicians assess disease markers, including plaque burden percentage, lesion location and morphology, calcium volume, and the presence of thrombus. It also provides analysis of crucial parameters - like luminal cross-sectional measurements - and helps aid in disease diagnosis. 74% of treatment strategies changed after IVUS was used.[3]



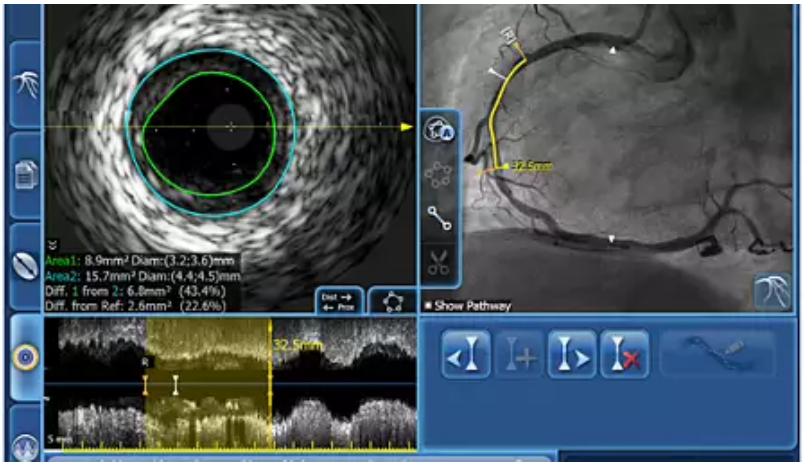
Understand patient anatomy and disease

Further understand patient anatomy and disease with iFR Co-registration.* Identify locations of iFR drops to better understand diffuse vs. focal disease and know where the regions causing ischemia are located.



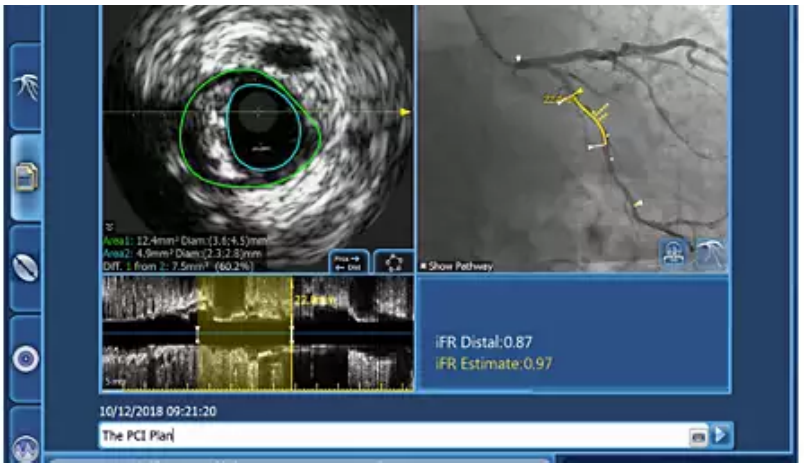
iFR Co-registration helps plan treatment strategy

Have confidence in your treatment decision with iFR Co-registration.* Understand the potential impact of a stent on the patient's ischemia to estimate if implantation will meet the procedural objectives.



Go beyond the angiogram

Go beyond the angiogram to further understand patient anatomy and disease. Map the 3D vessel anatomy to the angiogram to understand precisely where the disease begins and ends with IVUS Co-registration.*



Quickly determine procedural objectives

With iFR and IVUS tri-registration* you can easily retrieve length measurements from combined IVUS, iFR and angiogram information to help determine the appropriate treatment strategy.

Specifications

Power requirements

System input	100, 120v, 220, 240VAC, 50/60Hz, 1000Va
Monitor	100V – 240V 50/60Hz, 39W
Workstation	100 – 240V, 50/60Hz, 825VA

Dimensions

Workstation	H=17", W=10", D=16.5"
Monitor	H=15"-19", W=15.8", D=9.7"
Control pad (optional)	H=2.75"-19", W=10.5", D=8.3"
Connection box	H=9.95", W=2.95",D=7.75"
Touch screen module with articulating tableside mount	H=7”, W=11.9”, D=9” Arm extends to a depth of 16.5” / 20” above the bedrail
Control room controller	H=5", W=15", D=10"

Processing and data storage

Processor	1 CPU with 2.3GHz (Max turbo freq. of 3.2GHz) 12 core total, 2400 MHz BUS
Hard drive capacity	1TB SSD SATA
DICOM services supported	DICOM worklist management, DICOM store
Memory	32GB SD RAM
Digital archiving capacity	Local, DVD, DICOM Network (including Worklist management, DICOM Store)

Ordering Information

IntraSight 7 configuration	IntraSight07
IntraSight 5 configuration	IntraSight05

1. Davies JE, et al., Use of the Instantaneous Wave-free Ration or Fractional Flow Reserve in PCI. N Engl J Med. 2017 May 11;376(19):1824-1834.

2. Patel M. "Cost-effectiveness of instantaneous wave-Free Ratio (iFR) compared with Fractional Flow Reserve (FFR) to guide coronary revascularization decision making." Late-breaking Clinical Trial presentation at ACC on March 10, 2018.

3. Witzen B et al. Relationship Between Intravascular Ultrasound Guidance and Clinical Outcomes After Drug-Eluting Stents: The ADAPT-DES Study. Circulation 2014 Jan: 129,4;463-470.

* Co-registration tools available within IntraSight 7 configuration via SyncVision

Product availability is subject to country regulatory clearance. Please contact your local sales representative to check the availability in your country.

SmartCT

3D visualization and measurement solution

The SmartCT solution enriches our outstanding 3D interventional tools with step by step guidance, designed to remove barriers to acquiring 3D images in the interventional lab. It simplifies 3D acquisition to empower clinical users* to easily perform 3D imaging[1]. Once acquired, 3D images are automatically displayed within seconds** on the touch screen module in the corresponding rendering mode. On the same touch screen, the user can easily control and interact with advanced 3D visualization and measurement tools.

Features

SmartCT empowers you to easily adopt 3D imaging in the lab

3D imaging can enhance diagnostic accuracy[2-4], supporting improved treatment outcomes[5] . Despite these advantages, it can still be considered difficult to perform by many users. To take the guesswork out of 3D acquisition, SmartCT provides step-by-step guidance and visual aids during acquisition to help easily acquire 3D images[1].

Acquire and interact with 3D imaging at table side

With the touch screen, you can easily acquire 3D images and interact with SmartCT tools in an intuitive way[1]. Once acquired, The SmartCT viewing application automatically opens your 3D image with the correct rendering and viewing tools on the touch screen module. All tools work with the tablet’s touch screen simplicity within the sterile area.

Control advanced 3D visualization and measurement tools at table side

Using simple tablet gestures, you can carry out advanced measurements and visualizations on the touch screen at table side to study the type and extent of disease with great detail.

SmartCT Vessel Analysis with next generation vessel tracking supports treatment planning

To quickly define a vessel path on a 3D volume, Select a start and end point of the segment of the vasculature of interest and the path between the 2 points is detected and rendered in different views. SmartCT Vessel Analysis supports the selection of the projection angle for vessel analysis and catheterization. It allows easy inspection of vessel and device positioning with straightened, curved and cross-section reformats.

1. Evaluated with clinical users in a simulated lab environment with a total of 17 teams consisting of a physician and a radio-tech with different levels of experience.

2. Loffroy R et al. Comparing the Detectability of Hepatocellular Carcinoma by C-arm Dual-Phase Cone-Beam Computed Tomography During Hepatic Arteriography With Conventional Contrast- Enhanced Magnetic Resonance Imaging Cardiovasc Intervent Radiol. 2012, 3

3. Berman et al. ,The use of three dimensional rotational angiography to assess the pulmonary circulation following cavo-pulmonary connection in patients with single ventricle. Catheter Cardiovasc Interv. 2012 Nov 15;80(6):922-30.

4. Schernthaner et al., Delayed-Phase Cone-Beam CT Improves Detectability of Intrahepatic Cholangiocarcinoma During Conventional Transarterial Chemoembolization Cardiovasc Intervent Radiol , 38 (4), 929-36, 2015

5. Miyayama et al., Comparison of Local Control in Transcatheter Arterial Chemoembolization of Hepatocellular Carcinoma ≤6 Cm With or Without Intraprocedural Monitoring of the Embolized Area Using Cone-Beam Computed Tomography Cardiovasc Intervent Radiol

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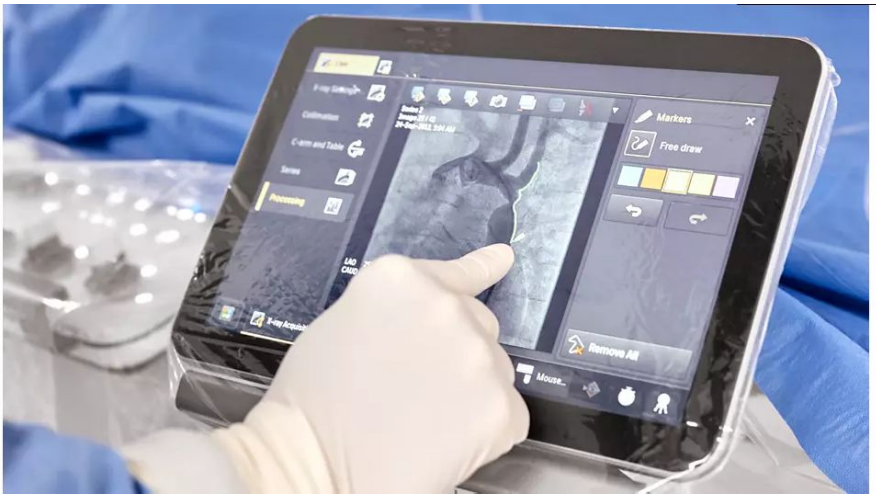
*The user level of expertise required is described in the Instructions for Use as the Intended Operator Profile.

**3D reconstructions at higher resolution settings may take longer times.

Touch screen module pro

Intuitive touch screen controle module at table side

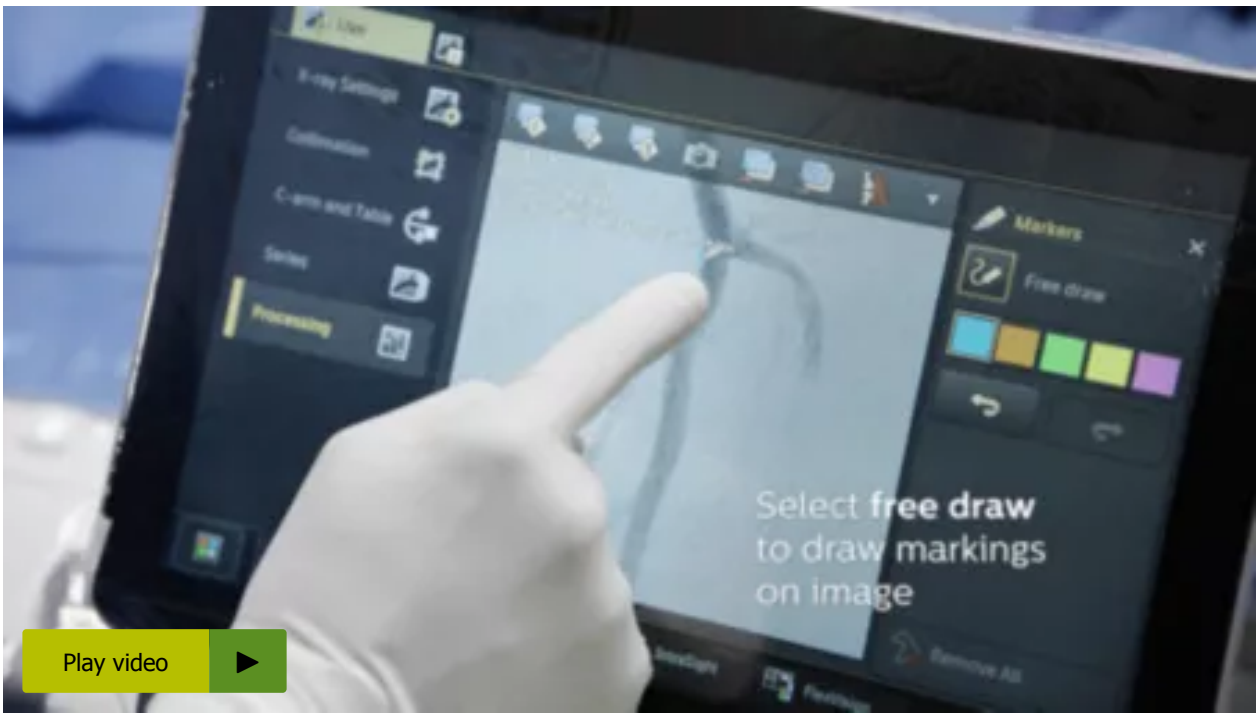
Seamlessly control compatible applications at table side in the sterile field with the enhanced touch screen module Pro. Access physiology, IVUS, hemodynamic measurements, interventional tools and all imaging parameters – to work quickly and decisively. Controlling these applications in the exam room can save time, reduce equipment clutter, and help you focus on the patient.



Features

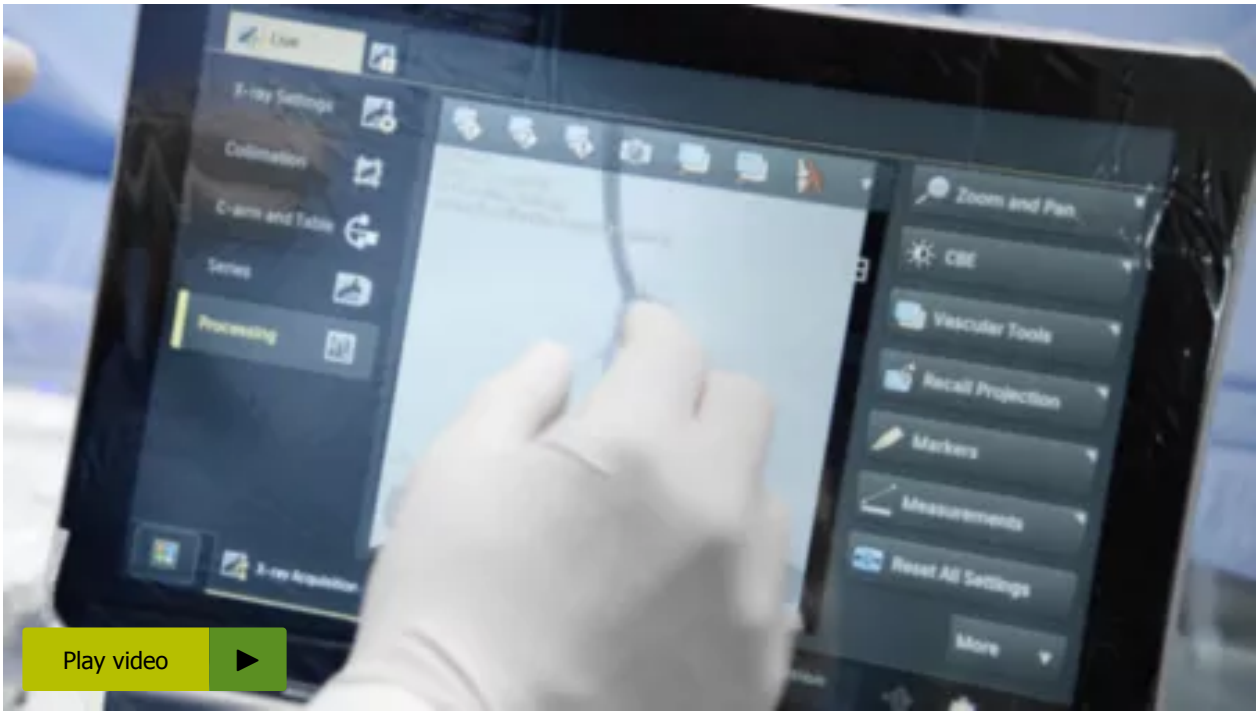
Seamless user experience to enhance decision making

To support fast, informed clinical decisions, you can control compatible applications, such as our physiology and imaging platform IntraSight, Philips Interventional Hemodynamic system and interventional tools, via the central touch screen and FlexVision Pro at table side. This allows you to confidently evaluate and decide in the sterile field, saving time and helping avoid delays.



Easily mark relevant details on 2D images on screen

Via the marker tool on the touch screen, you can mark an area of interest on 2D images. The markings are clearly displayed on the fluoroscopy and reference images, and they scale and pan with the image. This can be useful for marking a bifurcation, side branches and other relevant details. With the marker tool, there is no need for a separate marker application in the lab.



Easily perform two-point measurements on screen

Quickly measure distance on a 2D image with the two-point measurement on the touch screen.

This can help you quickly check the trajectory to a target vessel, measure distances for stent deployment, measure the size of anatomy or identify a discrepancy to speed up planning of the optimal treatment angle and aid navigation.

Promotes effective teamwork

To promote effective teamwork, one person can view the live image on the FlexSpot in the control room and another can view it on the touch screen module Pro in the exam room. You can easily adjust all X-ray settings, collimate on the clinical image and select images for review and post-processing - all with tablet-like ease. Store and recall of system positions is just as simple.

1. Co-registration tools available within IntraSight 7 configuration via SyncVision.

QuickClear

Mechanical thrombectomy system

The QuickClear mechanical thrombectomy system is a simple solution that provides an all-in-one, single-use aspiration pump and catheter for peripheral arterial and venous cases. Its powerfully simple design requires no capital equipment, maximizes aspiration power and supports faster set-up and procedure times. Delivering exactly what you need when you need it—that's powerfully simple.

Features

Simple

With no capital equipment, wires, or cables, this simple system supports faster set-up and procedure times.

Intuitive

Simple design with single button control enables rapid training and easier operation.

Powerful

Compact, single-use pump is engineered to maximize aspiration power.

Specifications

QuickClear thrombectomy system 6F

Catalog number	AC6ST130
Maximum outer diameter	0.081 inch
Lumen inner diameter	0.071 inch
Working length	130 cm
Obturator working length	NA
Tip configuration	Straight

QuickClear thrombectomy system 8F

Catalog number	AC8SH085
Maximum outer diameter	0.107 inch
Lumen inner diameter	0.091 inch
Working length	85 cm
Obturator working length	102 cm
Tip configuration	Shaped
Catalog number	AC10SH085
Maximum outer diameter	0.130 inch
Lumen inner diameter	0.111 inch
Working length	85 cm
Obturator working length	102 cm
Tip configuration	Shaped

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