

Canon



Infinix-i

System configurations to
meet your clinical needs

Infinix-i

Unparalleled access and coverage

Infinix™-i systems are designed around physicians, staff and patients in order to maximize flexibility, minimize exposure and optimize image quality for interventional procedures. So whether clinicians are performing an embolization, angioplasty, shunt repair or other image-guided procedure, they're always perfectly positioned for greater efficiency and patient safety.

R

C



Infinix-i Core

H



Infinix-i Hybrid

H



Infinix-i Hybrid+

R

Interventional
Radiology

C

Interventional
Cardiology

H

Hybrid OR

R

C



Infinix-i Core+

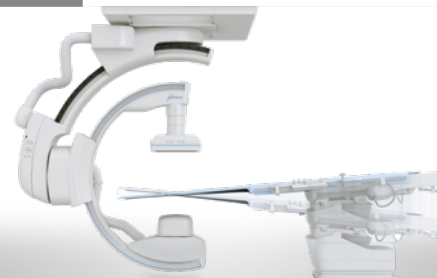
R

C



Infinix-i Sky

R



Infinix-i Sky+

H



Infinix-i Dualplane

R

C



Infinix-i Biplane



Infinix-i 4DCT

Infinix-i Core

R

C

Comprehensive, uncompromised Imaging

State-of-the-art performance

For hospitals challenged to do more with less, Infinix-i Core is the right shared lab solution. The system satisfies today's interventional procedure demands with the ability to upgrade some capabilities in the future for a wider range of procedures.

Available detector sizes

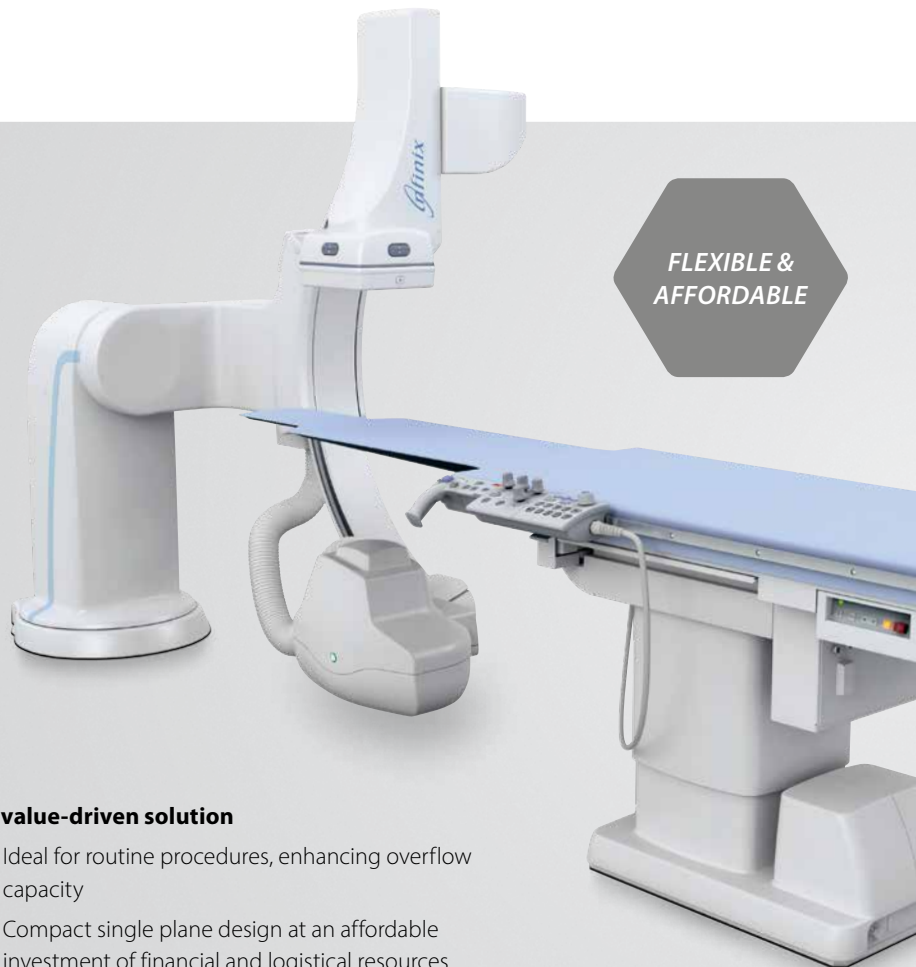
20 x 20

30 x 30

A value-driven solution

- Ideal for routine procedures, enhancing overflow capacity
- Compact single plane design at an affordable investment of financial and logistical resources

FLEXIBLE &
AFFORDABLE



The next dimension in visualization

Coupled with high-speed Garm acquisition, high-resolution detector and high-powered workstation, advanced and exclusive applications display more details more clearly to improve accuracy and patient outcomes.



Infinix-i Core+

R

C

Unprecedented flexibility and integration

The Infinix-i Core + is designed to move around you and your patient so procedures can be performed more comfortably, safely and efficiently.

- Achieve optimal angulations with unprecedented head-to-toe and fingertip-to-fingertip coverage
- Continuously maintains a heads-up display during compound angles with synchronized rotating collimator and FPD

Available detector sizes

20 x 20

30 x 30

30 x 40

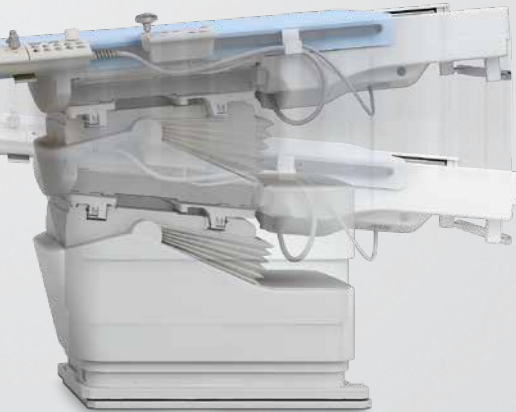
MULTI-AXIS
POSITIONER

UNPARALLELED
ACCESS AND
COVERAGE



Unparalleled access and coverage

- Unobstructed head-end work space for better access to the patient and ancillary equipment thanks to the unique 270° C-arm rotation capability
- Aids in clinical communication and workflow
- Access halo ensures unobstructed head-end work space to improve patient access for staff and ancillary equipment



Infinix-i Sky

R

C

Unprecedented flexibility and integration

The Infinix-i Sky is designed to move around you and your patient so procedures can be performed more comfortably, safely and efficiently.

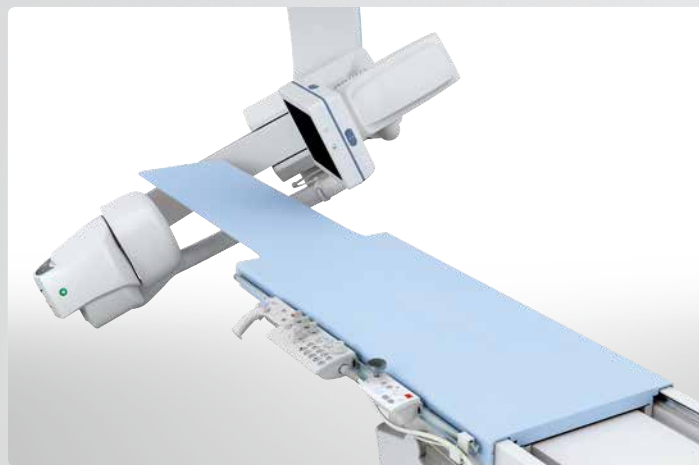
- Achieve optimal angulations with unprecedented head-to-toe and fingertip-to-fingertip coverage
- Continuously maintains a heads-up display during compound angles with synchronized rotating collimator and FPD
- Access halo ensures unobstructed head-end work space to improve patient access for staff and ancillary equipment

Available detector sizes

20 x 20

30 x 30

30 x 40





Infinix-i Sky+

R

Enjoy the freedom to see more and do more

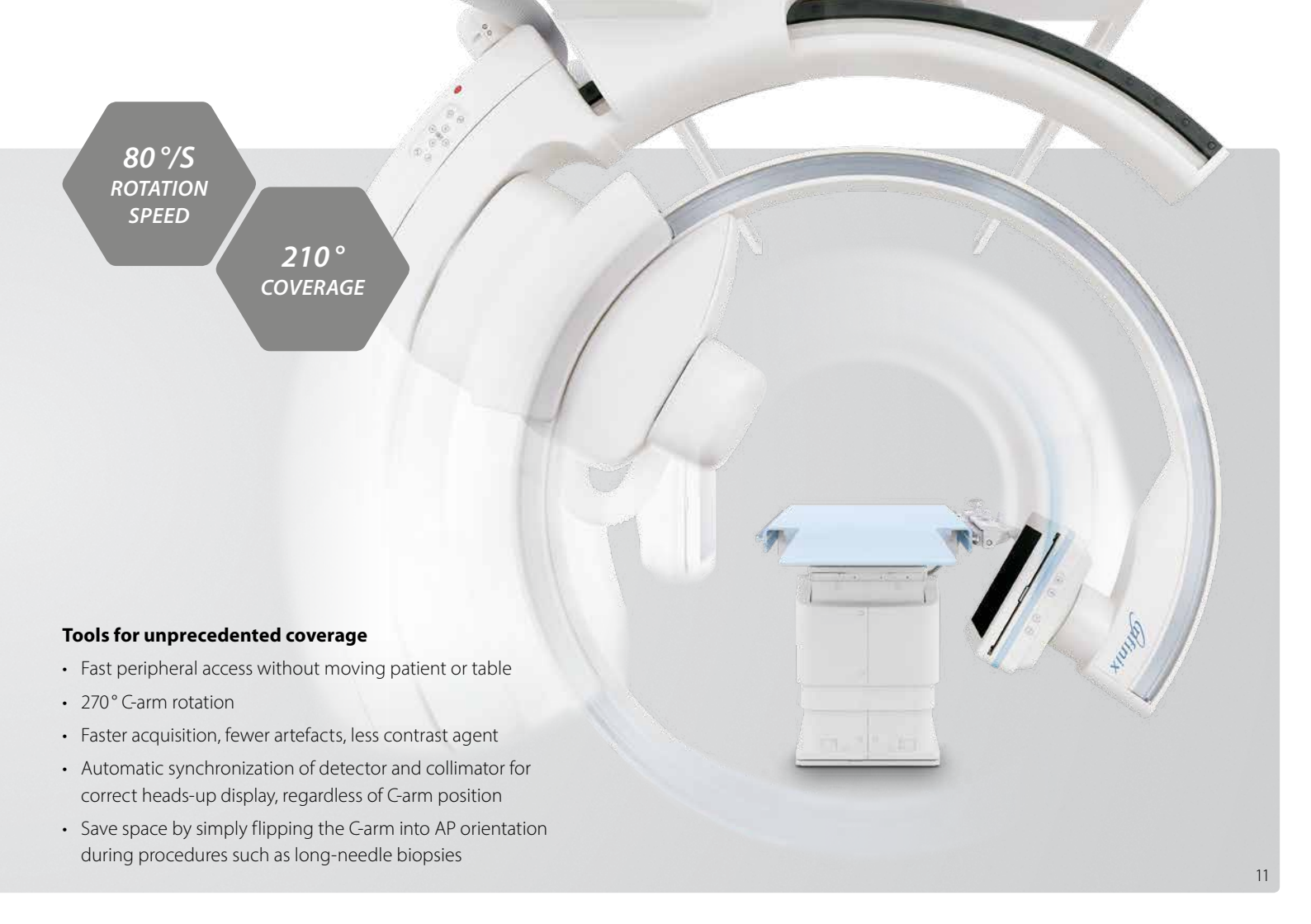
The C-arm revolution has arrived. Infinix-i Sky + delivers unprecedented flexibility. Packed with advanced features in one comprehensive system, the sky's the limit when it comes to complete coverage.

- Features a unique double-sliding C-arm concept
- Imaging soars to even greater heights with an innovative C-arm flip, lateral flexibility, speed, and full body 3D imaging capability.
- Infinix-i Sky + offers revolutionary ImagingRite technology to generate a 3D image anytime, anywhere.

Available detector size

30x40





**80 %S
ROTATION
SPEED**

**210°
COVERAGE**

Tools for unprecedented coverage

- Fast peripheral access without moving patient or table
- 270° C-arm rotation
- Faster acquisition, fewer artefacts, less contrast agent
- Automatic synchronization of detector and collimator for correct heads-up display, regardless of C-arm position
- Save space by simply flipping the C-arm into AP orientation during procedures such as long-needle biopsies

Infinix-i Hybrid

H

Your optimized and comfortable hybrid OR environment

The flexible clinical concept of Infinix-i Hybrid allows you to create a fully customized hybrid solution to exactly meet your specific clinical needs. Many years of experience in imaging, research and intervention place us at the forefront of hybrid technology development. So configuring and installing exactly the right hybrid configuration at your facility is our promise.

Available detector sizes

30 x 30

30 x 40





Parking C-arm

C-arm longitudinal movement, unique lateral and longitudinal movement, and support column rotation can be performed using the local operating switches on the rear of the C-arm, allowing the operator to check for contact with other equipment during arm movement.

Easy switching between cath lab and OR

With the C-arm set in the park position, clearance around the operating table is equivalent to that available in a general operating room.

Infinix-i Hybrid+

H

Unmatching flexibility, greater patient access

Infinix-i Hybrid + is designed around physicians, staff and patients in order to maximize flexibility, minimize exposure and optimize image quality during your hybrid procedures. So for any procedure you're always perfectly positioned for greater efficiency and patient safety.

Customized hybrid solution

Canon Medical Systems delivers a complete and customized solution with a matrix of choices:

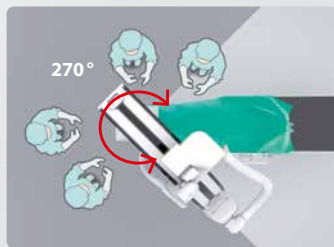
- Configurations that uniquely fit clinical needs
- Choice of OR tables
- Comprehensive suite of advanced imaging software to guide complex therapies



**FAST
AND EASY**

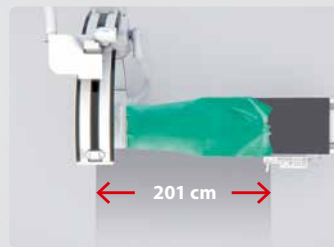
80 °/S
ROTATION
SPEED

210°
COVERAGE



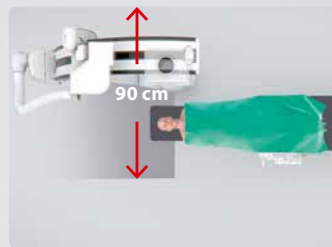
Free head access

Infinix' 270° isocentric C-arm rotation capability assures a smooth workflow even during the most complex interventional procedures.



Whole-body coverage

Infinix-i can cover the vast majority of patients from head to toe without table movement, ensuring peripheral access left and right at high patient safety and comfort.



Unique lateral C-arm stroke

The system's lateral C-arm stroke expands and simplifies catheter access routes for the radial/brachial approach, shunt angio, venography or port implants.



Smart parking

Infinix' dual-track ceiling suspension enables you to create and automate customized parking routes, including circumnavigating obstacles.

Infinix-i Dualplane

H

Unparalleled access and coverage

Zero compromises

Infinix-i Dual plane is the right system at the right time for facilities that need to treat more patients more cost effectively. Offering unmatched versatility for performing cardiac and vascular procedures in the same room, it does both without sacrificing Canon Medical Systems' industry-leading image quality, dose management capabilities, advanced technologies or potential for improving outcomes and efficiency.

Available detector combination

20 x 20
30 x 40

FASTER,
ACCURATE
PROCEDURES



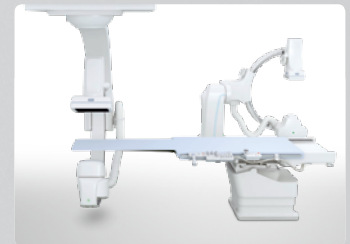
System configuration to meet your clinical needs

Advanced software applications

Infinix-i Dual plane systems incorporate a host of exclusive advanced software applications that maximize system capabilities for performing a wide range of procedures with greater confidence and precision.

Increased room utilization

Perform both cardiovascular and peripheral procedures in one room, without compromising image quality. The system features two independent C-arms: a large detector (30 x 40 cm) dedicated to vascular and a smaller detector (20 x 20 cm) dedicated to cardiac imaging.



Infinix-i Biplane

R

C

High performance plus flexibility

The Infinix-i C- and Ω -arms are designed to move around you and your patient so procedures can be performed more comfortably, safely and efficiently.

Available detector combinations

20 x 20
20 x 20

30 x 30
30 x 30

30 x 30
30 x 40

OMEGA
VARIABLE
ISO-CENTER

C-ARM FLIP

Unparalleled access and coverage

The Infinix-i Biplane is designed to move around you and your patient so procedures can be performed more comfortably, safely and efficiently.

- Achieve optimal angulations with unprecedented head-to-toe and fingertip-to-fingertip coverage
- Simplified biplane positioning with variable iso-center
- Access halo ensures unobstructed head-end work space to improve patient access for staff and ancillary equipment

Omega-arm with unique variable iso-center

- Simplifies biplane positioning
- The ability to reposition the lateral Ω -arm while keeping the patient stable enhances procedure efficiency and safety



Infinix-i 4DCT

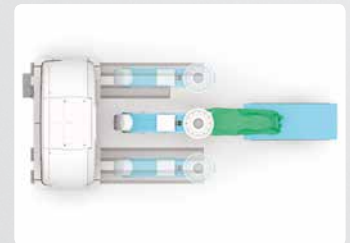
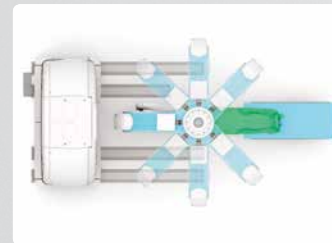
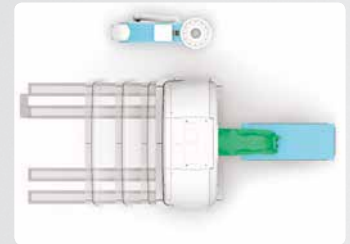
One room. One system.
One procedure.

True CT imaging available on demand may help you to

- Improve visualization and device manipulation
- Offer anatomical and functional information
- Eliminate patient transfer
- Confirm procedural goal

As a result Infinix-i 4D CT may help you to

- Improve Workflow
- Reduce time-to and time-of procedure
- Increase patient safety
- Reduce costs



True CT imaging prior, during, and after the interventional procedures.



Available with:



Aquilion ^{LE}

- 90 cm bore
- 32 slices



PRIME
Aquilion

- 78 cm bore
- 80 slices (upgradable to 160 slices)



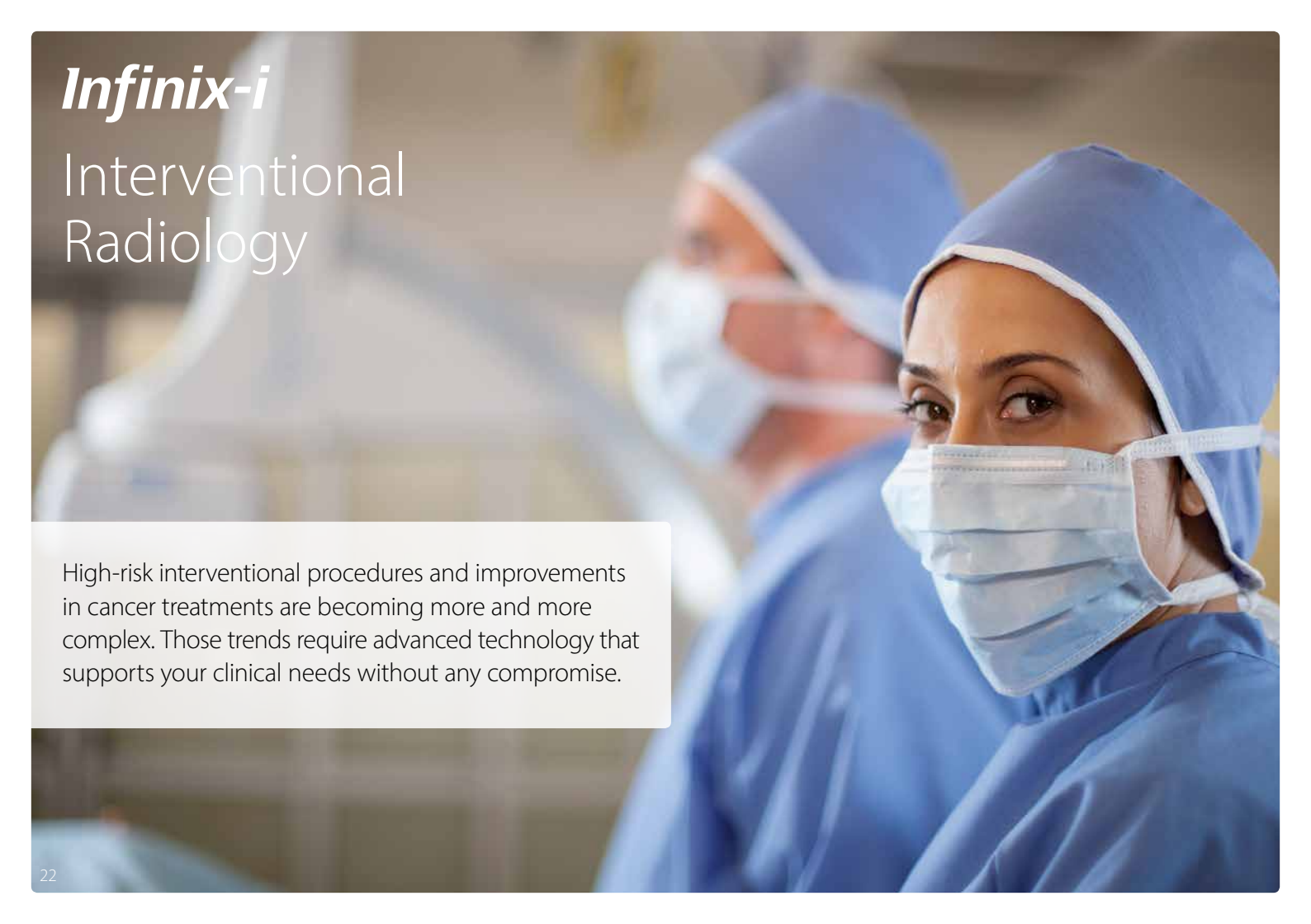
ONE
Aquilion

- 78 cm bore
- 0.35 s rotation time
- 640 slices
- 16 cm coverage in one rotation



ONE
Aquilion
VISION EDITION

- 78 cm bore
- 0.275 s rotation time
- 640 slices
- 16 cm coverage in one rotation



Infinix-i

Interventional Radiology

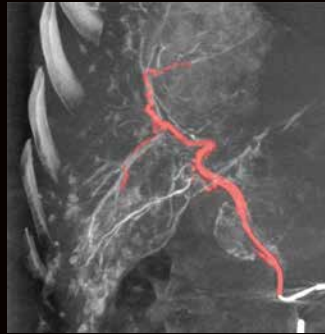
High-risk interventional procedures and improvements in cancer treatments are becoming more and more complex. Those trends require advanced technology that supports your clinical needs without any compromise.

Radiology

R



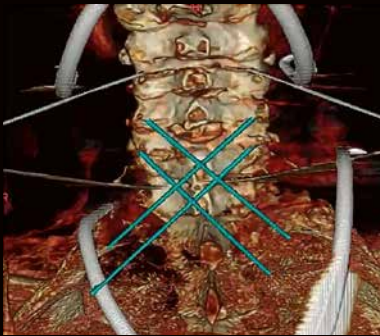
TACE



Feeding Artery Identification



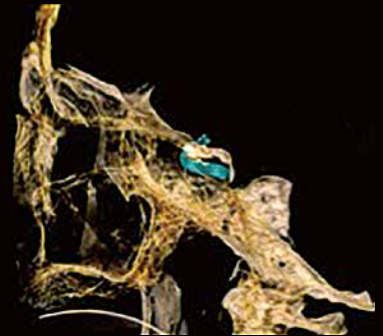
Renal Aneurysm



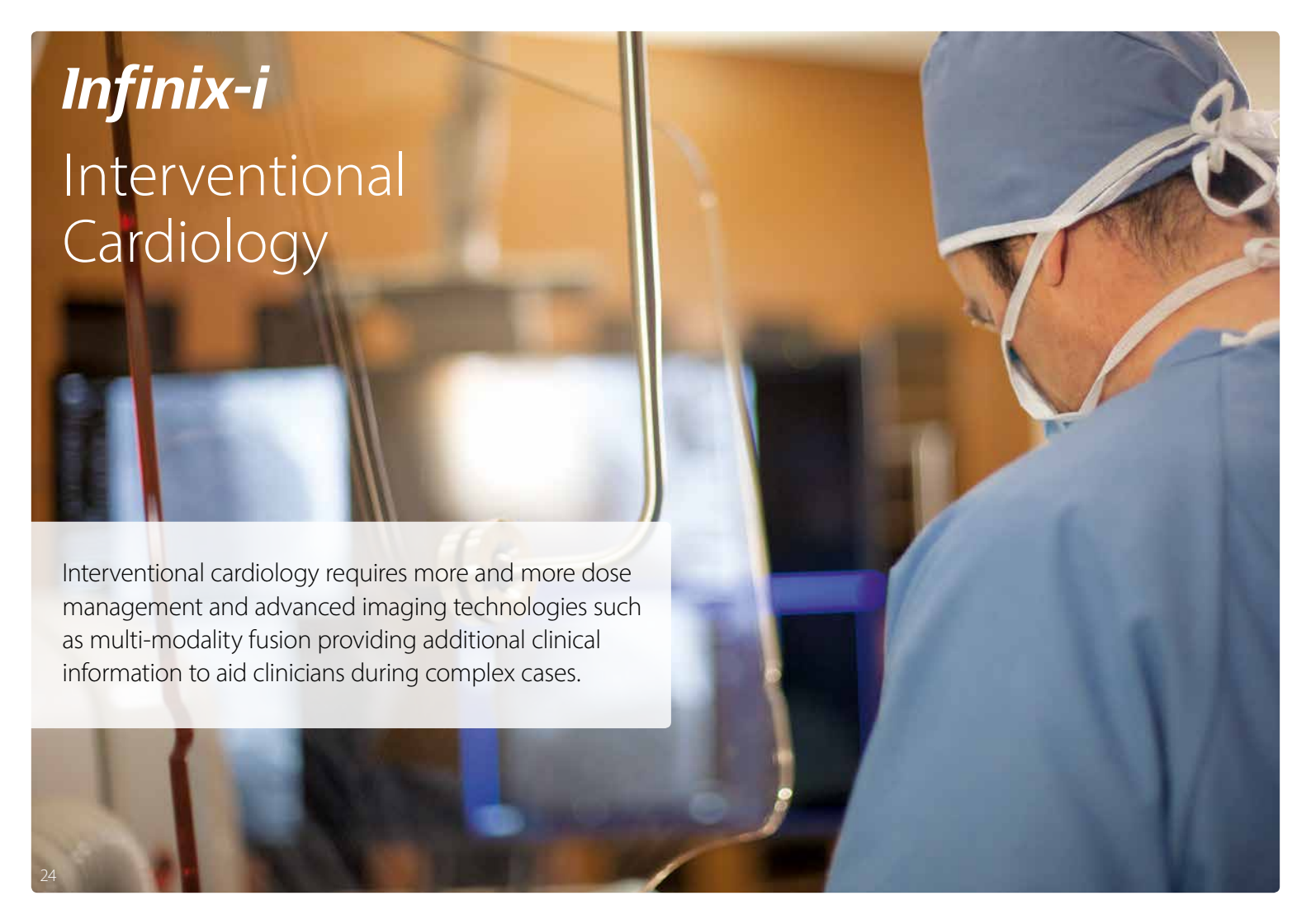
LCI CBCT Spine



LCI CBCT Abdomen



Intracranial Pipeline Stent



Infinix-i

Interventional Cardiology

Interventional cardiology requires more and more dose management and advanced imaging technologies such as multi-modality fusion providing additional clinical information to aid clinicians during complex cases.

Cardiology

C



Stent Enhancer



Congenital 3D



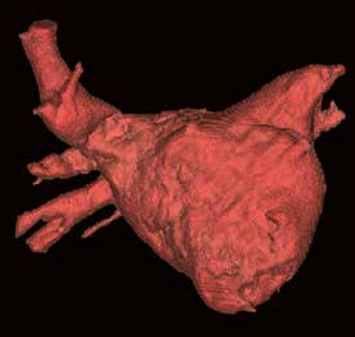
LCA



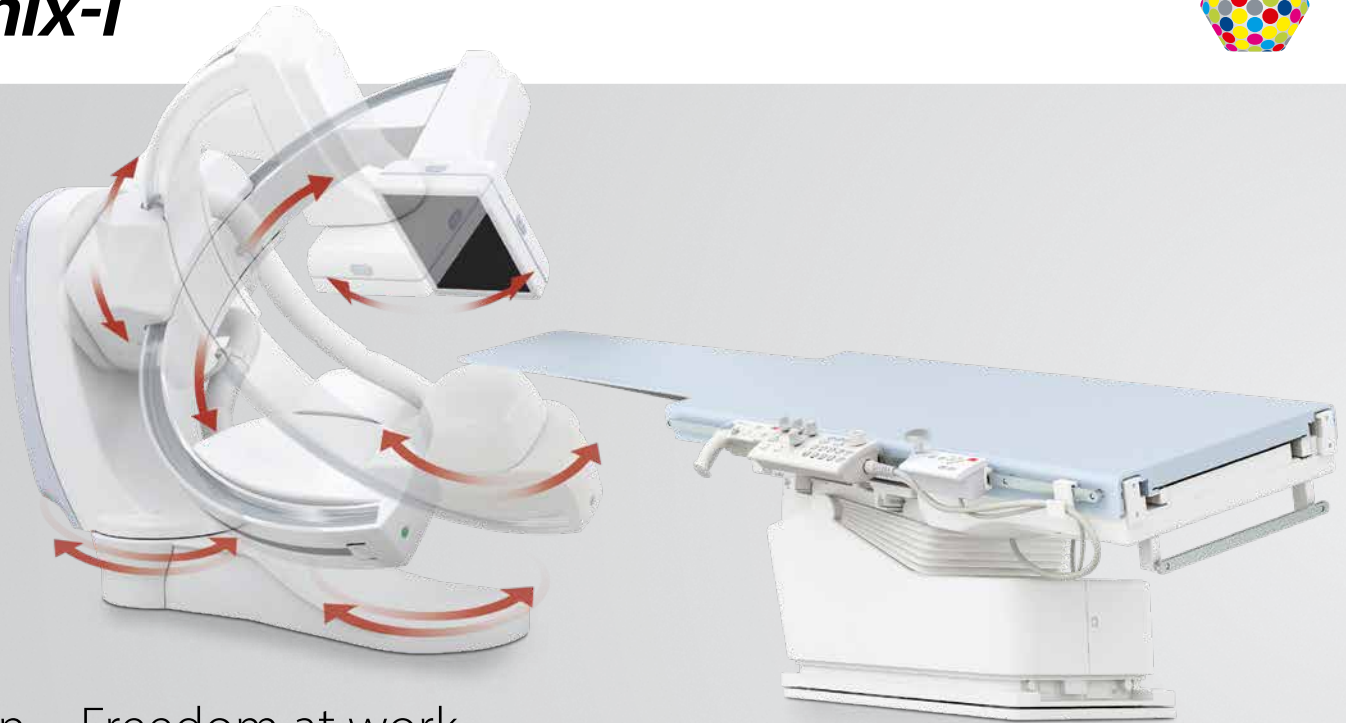
LCI CBCT Aorta



RCA



3D Left Atrium



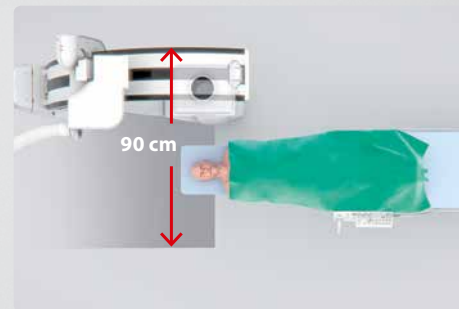
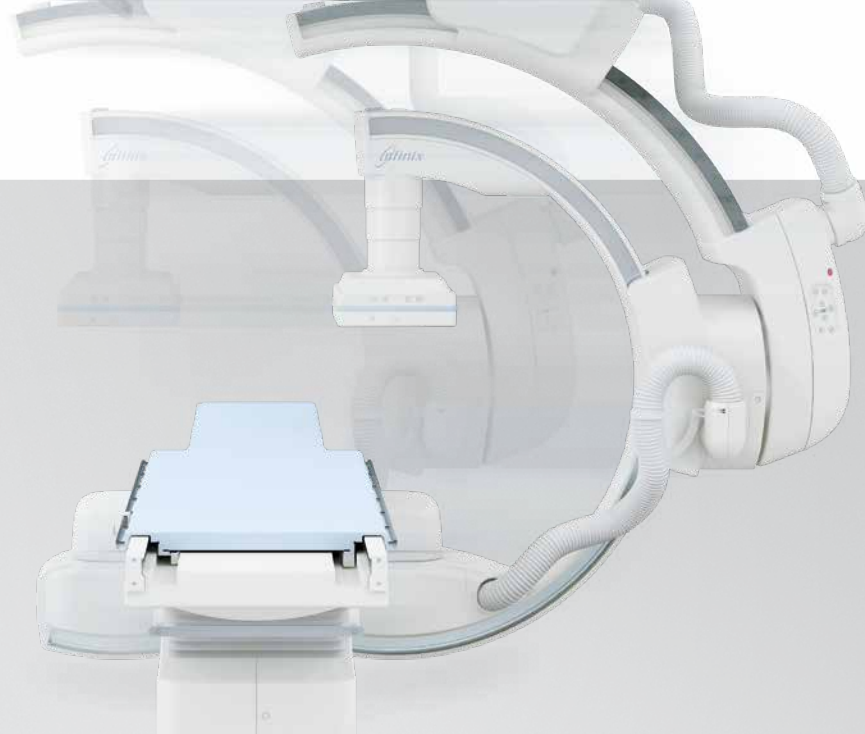
Design – Freedom at work

Patient access has never been more important. As the complexity of procedures increases, so does the risk of emergencies. Difficult interventions now tend to be performed under anesthesia and the emergence of new technologies triggers innovative hybrid procedures. In view of these developments unobstructed patient access from all sides is a key criterion in interventional imaging. The innovative multi-axis C-arm design offers perfect access to the patient whenever needed without compromise in projection flexibility.

Agility without compromise

Flexible positioning of 270° for left femoral, radial or brachial catheter techniques without compromise. Automated synchronization of detector and collimator rotation for correct head display regardless of C-arm position.

Lateral C-arm movement for optimal access during pacemaker/ICD implantation.



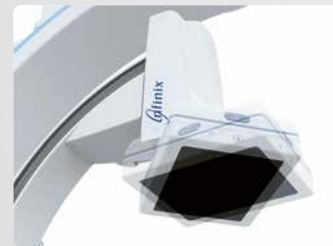
Infinix-i



Examinations without the need to reposition the patient



Complete peripheral coverage without having to move the patient, available with ceiling- or floor-mounted C-arm.



Fast and simple arm angiography without table rotation thanks to the lateral movement capability of the C-arm and the synchronized rotation of detector and collimator.

Always the right detector for your clinical need

Canon Medical Systems' comprehensive detector portfolio provides the perfect detector size for a wide range of applications. Dedicated cardiac procedures are ideally performed with a 20 x 20 cm detector.

When a larger detector is required for peripheral angiography, 30 x 40 cm is the size of choice.

For mixed applications, such as peripheral/cardiac or neuro interventions, the 30 x 30 cm detector offers the best balance for anatomical coverage and projection flexibility.

20 x 20



30 x 30

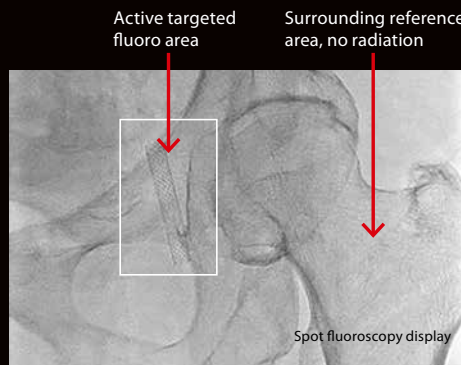


30 x 40



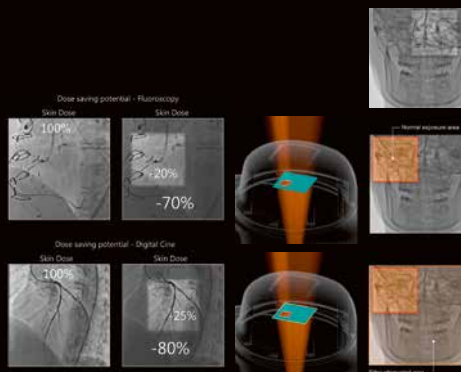
Better protection for patients and clinicians

Dose management is an important issue for everyone. Canon Medical Systems has optimized every step of the imaging chain to reduce radiation dose while improving workflow and image quality. DoseRite™ is Canon Medical Systems' comprehensive dose management solution. Combining advanced detector design with an array of powerful software features, it provides you with an extensive host of dose-saving and dose management functions.



Spot Fluoro

Spot Fluoro provides asymmetric, lesion-focused collimation while maintaining the full field of information with dose savings of up to 70%.



Spot ROI

Spot ROI helps you minimize the radiation exposure around a fixed ROI without restricting your total field of view. It is easy to use and for Fluoro, DA, DSA and Single shot.



Live Zoom

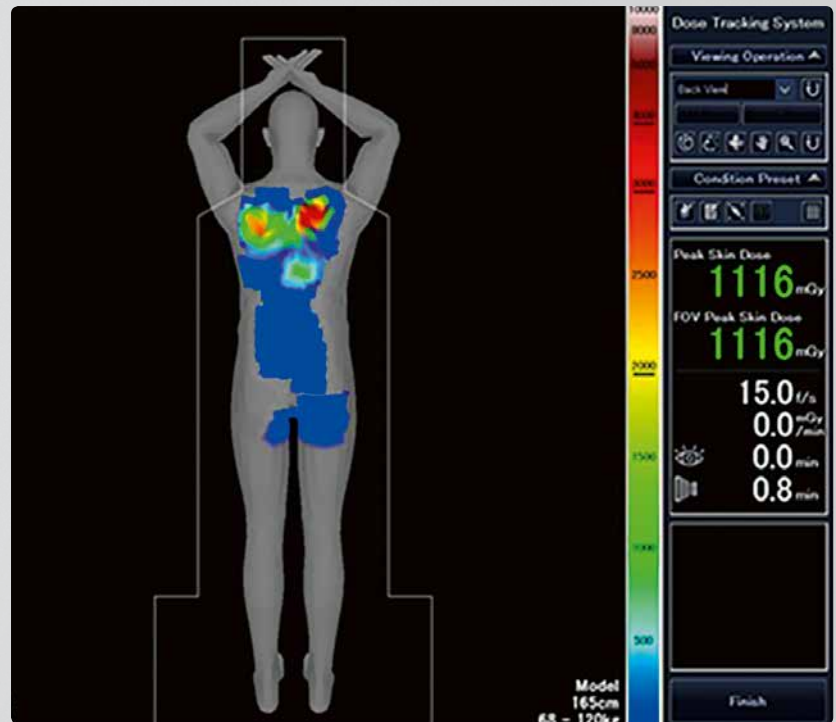
Live Zoom allows magnifying anatomy while performing an intervention without increasing the detector input dose.

Awareness is key for dose-conscious treatment

Dose Tracking System (DTS)

Gradual, incremental development of skin reaction with underlying tissue involvement is a typical feature of local radiation injury. In general, the higher the dose received, the more rapid the development of pathological symptoms and the more severe the prognosis.

The revolutionary dose tracking system calculates and displays the skin dose applied to the patient in real time. It is an awareness tool that helps physicians to avoid the risk of radiation skin injury during a procedure by changing the projection, SID, frame rate or dose rate once predefined dose thresholds have been reached.



Infinix-i

Fast, efficient and safe from acquisition to archiving

Patient and operator safety, as well as uninterrupted workflow are top priorities for us at Canon Medical Systems. Besides its comprehensive dose reduction and monitoring system, Infinix-i is equipped with a full range of tools and redundancy features to ensure uninterrupted and safe examinations. Post-processing tasks such as image processing and analysis, image transfer or archiving can be carried out at any time without disturbing the ongoing examination.

Conventional



Infinix-i



Patient registration



Imaging procedure



Filming and analysis



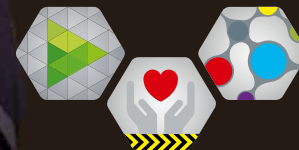
DICOM storage



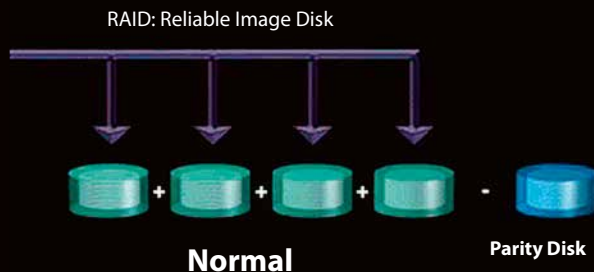
HIS/RIS

Multi-tasking architecture for faster processing

The true multi-tasking architecture of Infinix-i enables you to work in parallel on the console in the control room while carrying out a procedure. This reduces your overall procedure time significantly and therefore saves patient and operator dose.



Fail-Safe Operation



Fail-Safe Operation

Small Focus



Uncompromized data security

Advanced RAID-5 storage technology is used on the Infinix-i system console to protect clinical data against loss or damage. Should a hard disk fail during the examination, no data is lost thanks to its intelligent mirroring function.

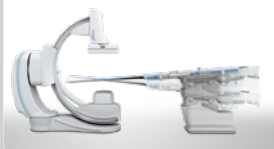
Fail-safe operation with backup focus

Canon Medical Systems' unique safety concept for the X-ray tube allows the system to automatically switch to a backup focus in case of a malfunctioning focus during an intervention. Thus, you can immediately continue working without interruption.

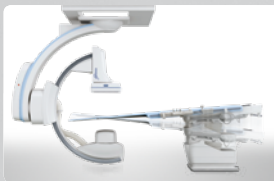
Notes



Infinix-i Core



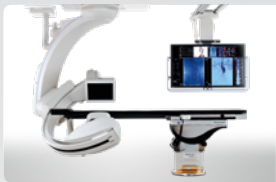
Infinix-i Core+



Infinix-i Sky



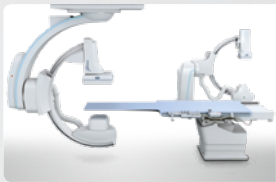
Infinix-i Sky+



Infinix-i Hybrid



Infinix-i Hybrid+



Infinix-i Dual plane



Infinix-i Biplane



Infinix-i 4DCT



CANON MEDICAL SYSTEMS EUROPE B.V.

<https://eu.medical.canon>

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Design and specifications are subjected to change without notice.
Model number: INFX-8000V, INFX-8000C, INFX-8000F, INFX-8000H, TSX-201A,
TSX-303A, TSX-301A and TSX-301C
MCAXR0311ECB 2018-02 CMSE/Printed in Europe

Canon Medical Systems Corporation meets internationally recognized
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Canon Medical Systems Corporation meets the
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Infinix-i

Rite Edition

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Made For life