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ABOUT UIH

At United Imaging, we develop and produce advanced medical products, digital healthcare solutions, and intelligent solutions that cover the entire process of imaging diagnosis and treatment. Founded in 2011 with global headquarters in Shanghai, our company has subsidiaries and R&D centers across China, the United States, and other parts of the world. With a cutting-edge digital portfolio and a mission of broader access to healthcare for all, we help drive industry progress and bold change.

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uCT Orion Extra

All Your Needs
in One Smart CT

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uCT Orion Extra

All Your Needs in One Smart CT

As demand for medical imaging grows, healthcare facilities face rising pressure to offer CT scanners that are intelligent, efficient, and adaptable to a wide range of clinical scenarios. The uCT Orion Extra integrates AI with CT technology to provide efficient, patient-focused scanning experience and exceptional image clarity.

Beyond intelligent scanning, its robust hardware provides the power and reliability to meet diverse clinical needs. As a forward-looking investment, uCT Orion Extra is built for today's demands and tomorrow's value.

11

Streamlined Workflow
for Maximum Efficiency

03

Enhanced Patient-Centric
Scanning Experience

19

Uncompromised Imaging
Excellence in Every Scan

39

Achieve Greater Investment
and Unlock Long - Term Value



Enhanced Patient-Centric Scanning Experience

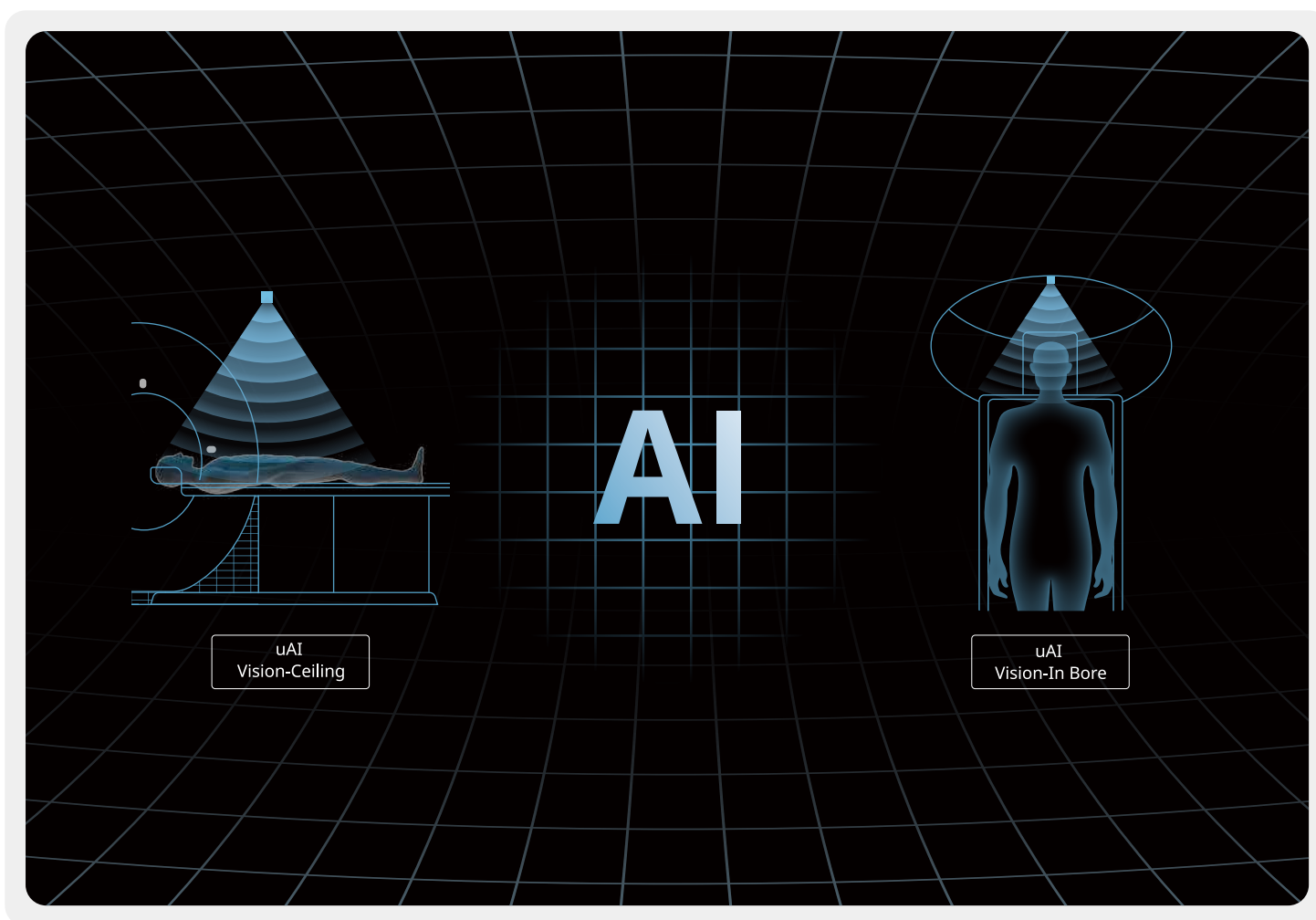
uCT Orion Extra is designed to bring a refreshing, patient - centric scanning experience to every patient. With uAI Vision and AI algorithms, the system is capable of real - time monitoring of patients' scanning status. Moreover, it reduces the chance of patients being called back for re-scans by conducting

real - time detection of factors impacting image quality. Furthermore, the AI-powered risk alerts help clinicians provide more timely care to patients. The uCT Orion Extra is leading the way to a new standard of care.

With uAI Vision's Dual Cameras, Patient-centered Scanning is Delivered to Every Patient

The uCT Orion Extra's uAI Vision features two cameras, enabling real-time patient monitoring from two distinct views: top-down and close-up. Furthermore, these cameras, powered by AI algorithms, serve as the operator's intelligent CT scan assistant in the scan room. The technology enables

real-time monitoring of the patient's scan status and assists in the early identification of scanning issues and potential risks, making the scan more efficient and smooth. uCT Orion Extra remains intelligent, adapts to clinical needs, and prioritizes patient care.



uCT Orion Extra Keeps Image Quality on Track

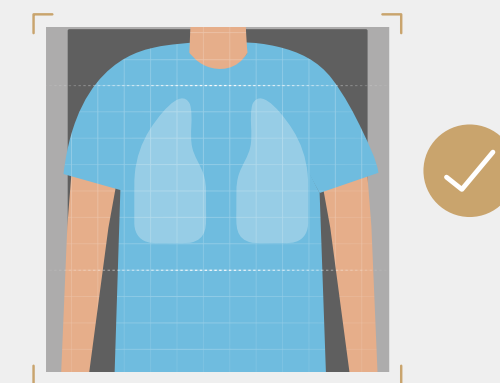
To achieve a high scanning success rate and reduce the likelihood of patients being recalled for re-examination, uCT Orion Extra employs AI algorithms to provide real-time prompts during scanning.

These prompts notify technologists of factors that may impact image quality, assist them in identifying possible scanning issues, and reduce the likelihood of patient recalls.



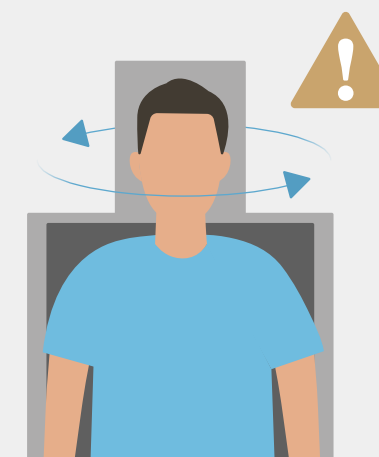
Quality Check for Chest

During chest scans, the AI-empowered quality check monitors the patient's breath-hold status. If the patient fails to hold the breath as required, the system triggers real-time prompts, which helps technologists efficiently confirm chest image quality and reduce patient recalls.



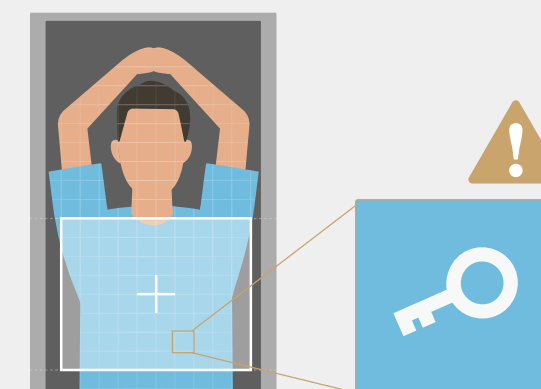
Quality Check for Motion

Based on AI technology, the uAI Vision in-bore detects patient movement. Once patient's motion is detected, it triggers real-time prompts, enabling technologists to stay vigilant about the patient's scanning status.



Quality Check for Metal

It automatically detects non-iatrogenic metal (such as belts, keys, necklaces, etc.) and accurately pinpoints their locations in the scout image. This can remind technologists to remove the metal objects, avoiding the generation of artifacts and enhancing image quality.



uCT Orion Extra Guards Every Patient

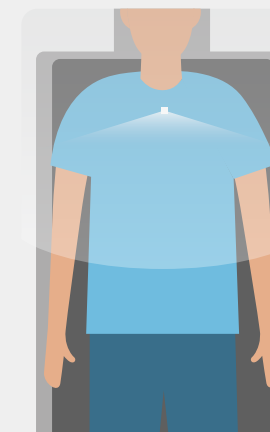
The uCT Orion Extra is equipped with uAI Vision to provide real-time patient monitoring throughout the entire scanning process, while its intelligent algorithms simultaneously detect patient-related risks and prompt operators to address potential

hazards or critical conditions at an early stage. With these capabilities, technologists can quickly recognize scan-related risks and swiftly implement immediate interventions, delivering comprehensive patient care for every individual.



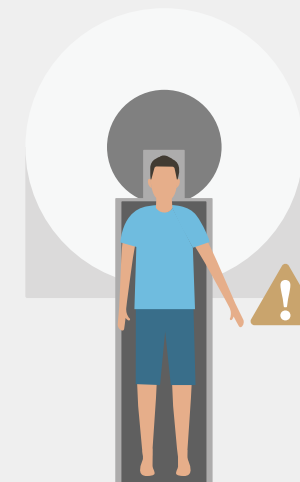
uAI Vision-In Bore

With uAI Vision in Bore, operators can observe patients' scanning status during the scanning process, much like having an eye for close - up patient observation. This enables them to continuously monitor the patient's scanning status throughout the entire procedure and helps them quickly identify issues such as contrast extravasation or allergic reactions.



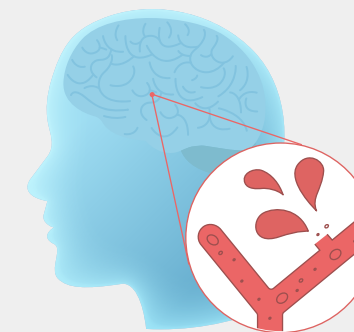
Patient-gantry Collision Check

By incorporating the patient body-contour data acquired from uAI Vision with the CT geometry, the system proactively identifies potential unsafe areas prone to collisions . Once a potential patient-gantry collision is detected, an anti-collision message will appear before table movement, thereby reducing the likelihood of collisions between the patient and the gantry.



AI-based Brain Hemorrhage Detection[※]

This algorithm is designed for intracerebral hemorrhage (ICH) detection. It provides technologists signals when potential ICH is detected, enabling fast triage of such patient and preserving valuable time for patient assessment.



※ Independent of CT, separate CE certification



Streamlined Workflow for Maximum Efficiency

With staff shortages and a growing patient load, efficient workflows are no longer optional—they're an urgent priority. However, current CT scanning workflows often include manual steps, such as setting scan parameters or carrying out time-consuming post-processing steps. These steps rely on the technologist's expertise and take extra time, which

may pose challenges to workflow efficiency and image consistency. The uCT Orion Extra addresses these challenges by integrating AI to optimize every step of the process—from patient positioning and scanning to post-processing. This automation saves valuable time, reduces reliance on manual procedures and boosts overall efficiency.

uCT Orion Extra Streamlines Every CT Scan Step

uCT Orion Extra streamlines the entire CT scanning process by integrating advanced technologies at each stage. It achieves efficient patient positioning from the start, applies intelligent dose control to personalize exposure without compromising image

quality, and accelerates diagnosis through a range of intelligent post-processing tools. Overall, these step-by-step optimizations contribute to enhanced scanning efficiency.

AI-based Automatic Patient Positioning

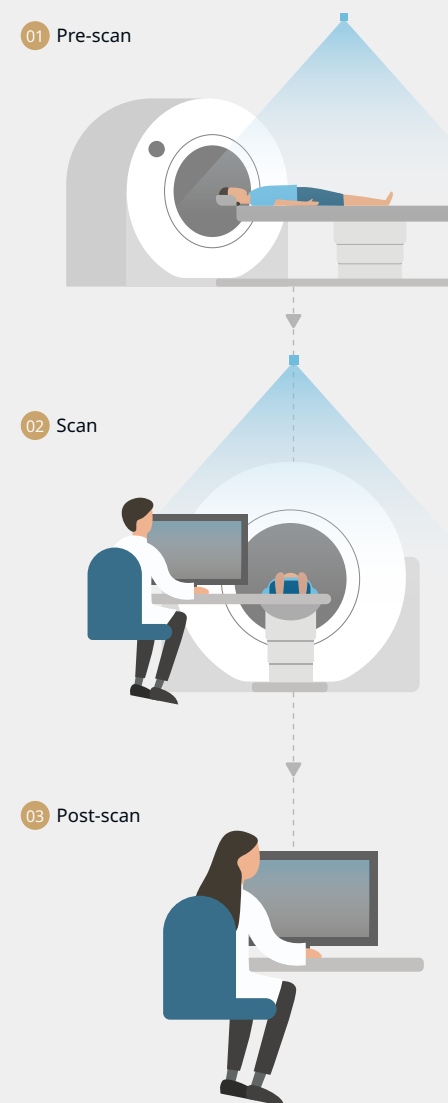
Based on the selected protocol, uCT Orion Extra automatically determines the scan range and accomplishes the patient positioning with one click.

Intelligent Dose Control in CT Imaging

uCT Orion Extra helps you determine the appropriate scan settings, so you can achieve optimized dose and image quality for every patient, every scan.

A Full Suite of Efficient Post-Processing Applications

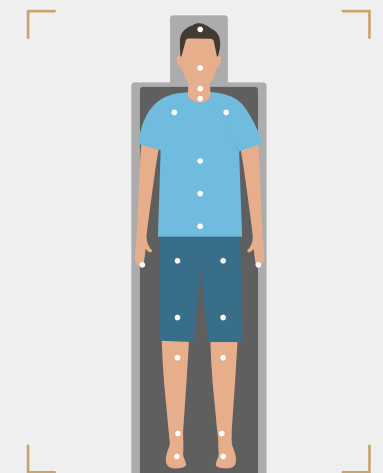
uCT Orion Extra helps you transform the originally time-consuming post-processing analysis into a quick and easy process.



AI-based Automatic Patient Positioning

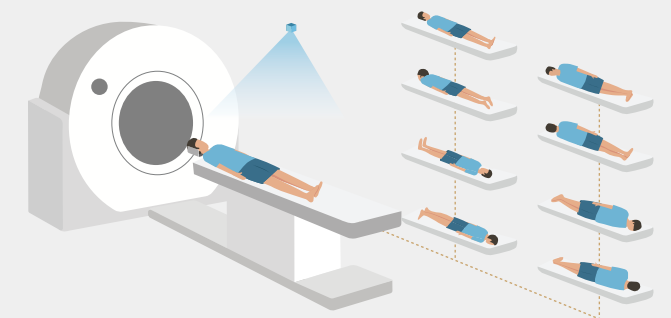
AI depicts the shape of patients

Based on uAI Vision's automated detection of 21 anatomical landmarks, uCT Orion Extra enables the depiction of patient anatomy and the automatic determination of the optimal scan range. This function applies to all scan protocols.



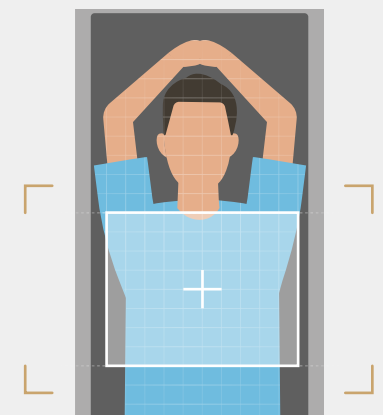
AI identifies the patient's pose

With advanced algorithms and sensors, uAI Vision automatically detects patient orientation by identifying 8 patient poses, helping to reduce medical errors.



AI enables dynamic adjustments

The uAI Vision offers real-time patient movement tracking. This feature enables automatic adjustment of the scan start line and range, enhancing imaging accuracy and minimizing the impact of patient movement before scanning.

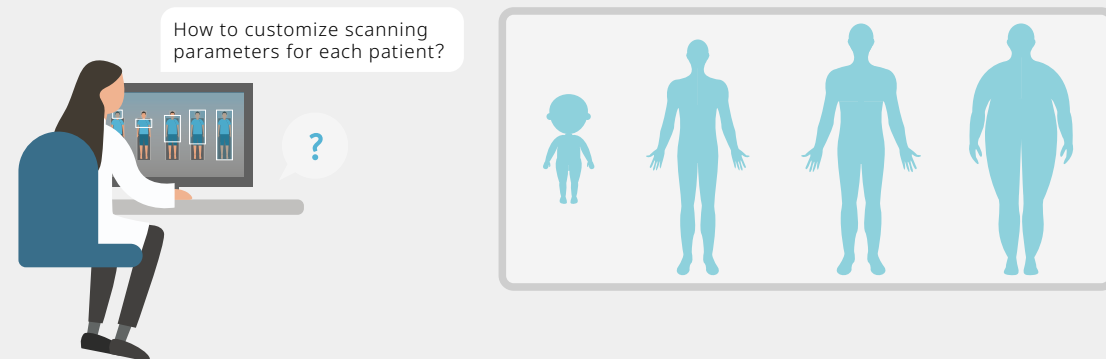


Intelligent Dose Control in CT Imaging

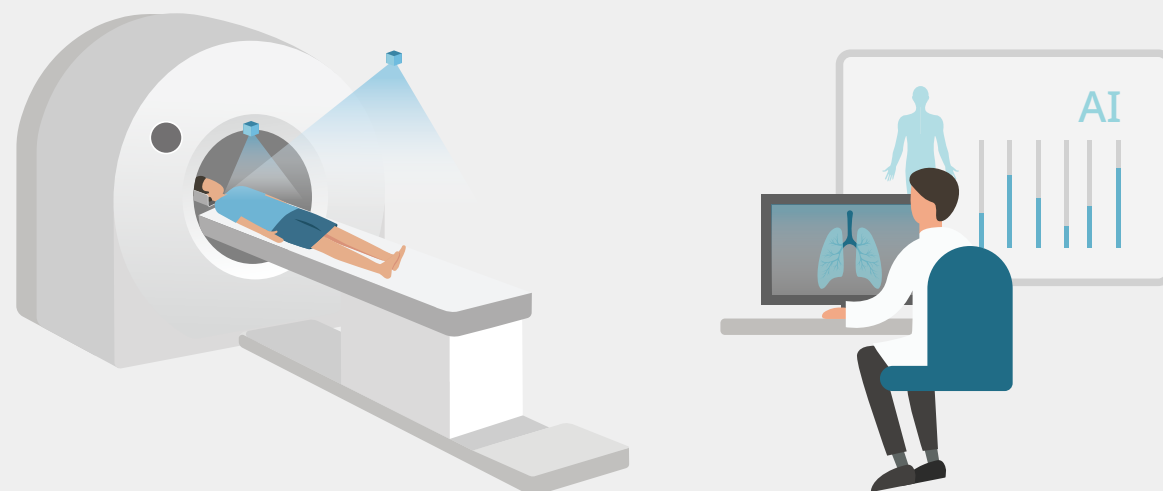
Radiation doses in CT examinations vary considerably with patient size and scan type. Reducing unnecessary radiation dose requires the individualization of scanning protocols for each patient. The uCT Orion Extra reduces radiation not only through

advanced hardware but also by leveraging software optimization and AI-driven algorithms, which tailor patient-specific scanning parameters to each clinical scenario, effectively lowering dose while preserving high-quality imaging.

Challenges in planning scanning parameters



Intelligent parameter planning and adjustment



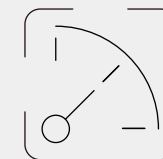
EasyRange

Powered by AI algorithms, EasyRange pinpoints patients' target anatomical location's upper and lower margins according to the selected scanning protocol. Thus, it can automatically plan the start and end lines of the scan range. This helps achieve full coverage of the target anatomy while reducing unnecessary radiation exposure.



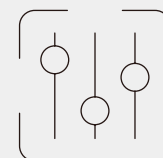
Auto kV

Based on anatomical information from the topogram and the specific requirements of the selected scan type, Auto kV automatically calculates and recommends the tube kV to optimize radiation dose while achieving high-quality images.



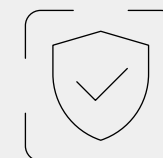
Auto ALARA mA

Auto ALARA mA adjusts the mA based on attenuation information from different regions. This intelligent, region-specific modulation helps achieve optimal image quality throughout the scan while improving both dose efficiency and minimizing unnecessary radiation.



Organ-Based Auto ALARA mA

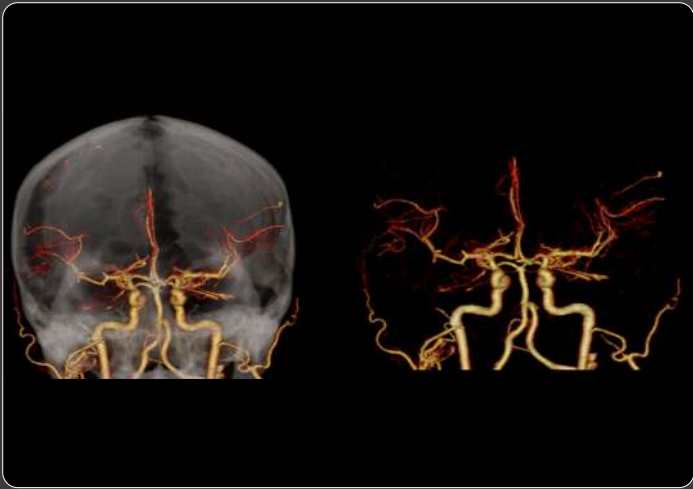
The organ-based auto ALARA mA automatically recognizes the coordinate regions of the chest and abdomen to optimize dose modulation parameters for different organs. When compared to using a single protocol for chest and abdomen imaging, this technology delivers higher image quality while maintaining a reasonable dose.



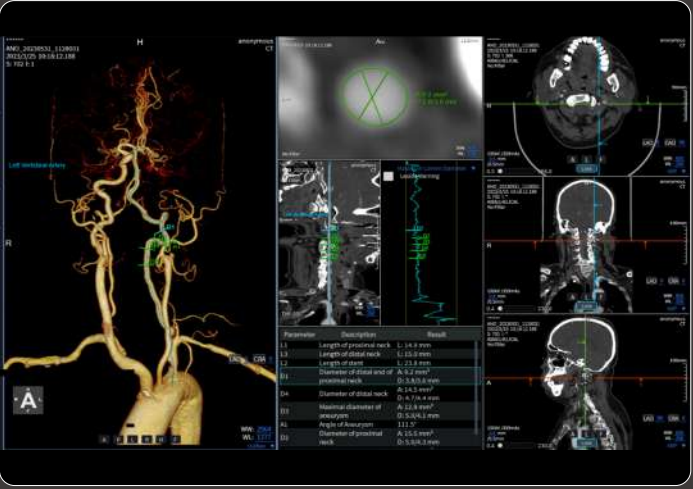
A Full Suite of Efficient Post-Processing Applications ※

uCT Orion Extra offers a comprehensive suite of console-integrated post-processing applications designed to address diverse diagnostic needs across clinical scenarios. These intelligent tools streamline routine workflow by reducing repetitive manual steps, enabling users to complete post-processing

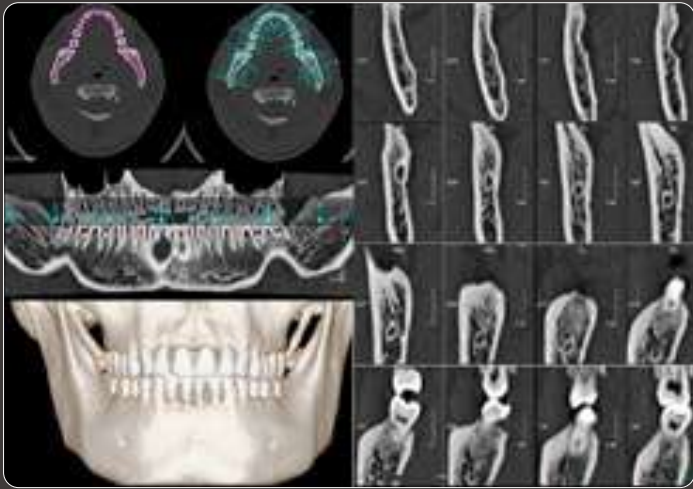
more efficiently. Key features such as one-click bone removal, automatic vessel extraction, intelligent vertebral identification, and lung nodule screening help accelerate workflow and enhance diagnostic efficiency.



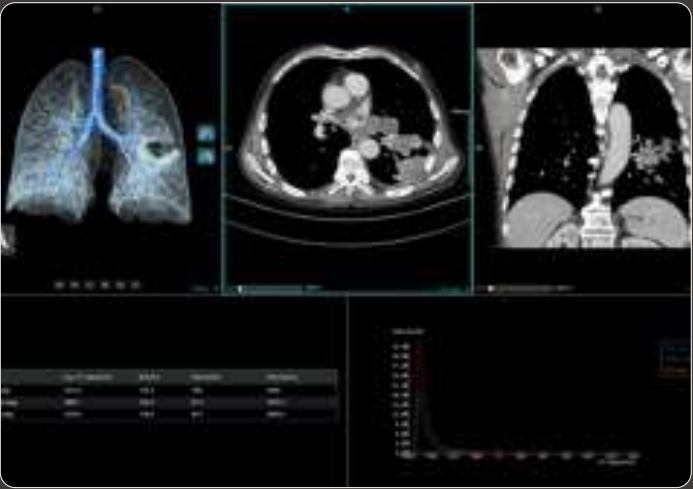
One-click Bone Removal



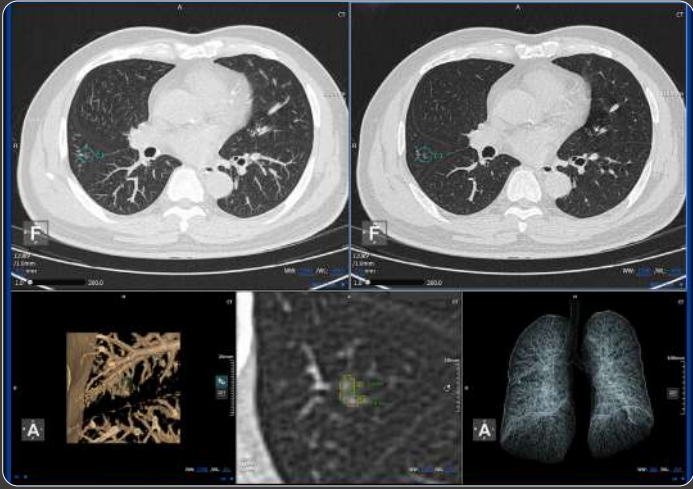
Vessel Analysis ※※



Dental Analysis



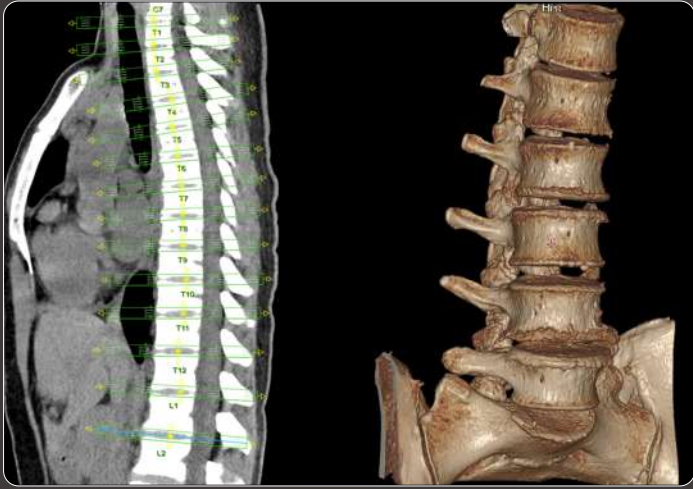
Lung Density Analysis



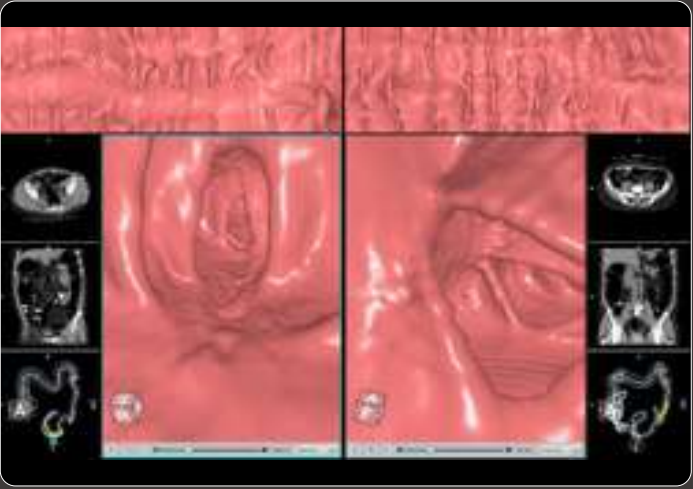
Lung Nodule Analysis



Bone Structure Analysis



Opti-Reformat Spine



Colon Analysis

※ Independent of CT, separate CE certification

※※ Optional



Uncompromised Imaging Excellence in Every Scan

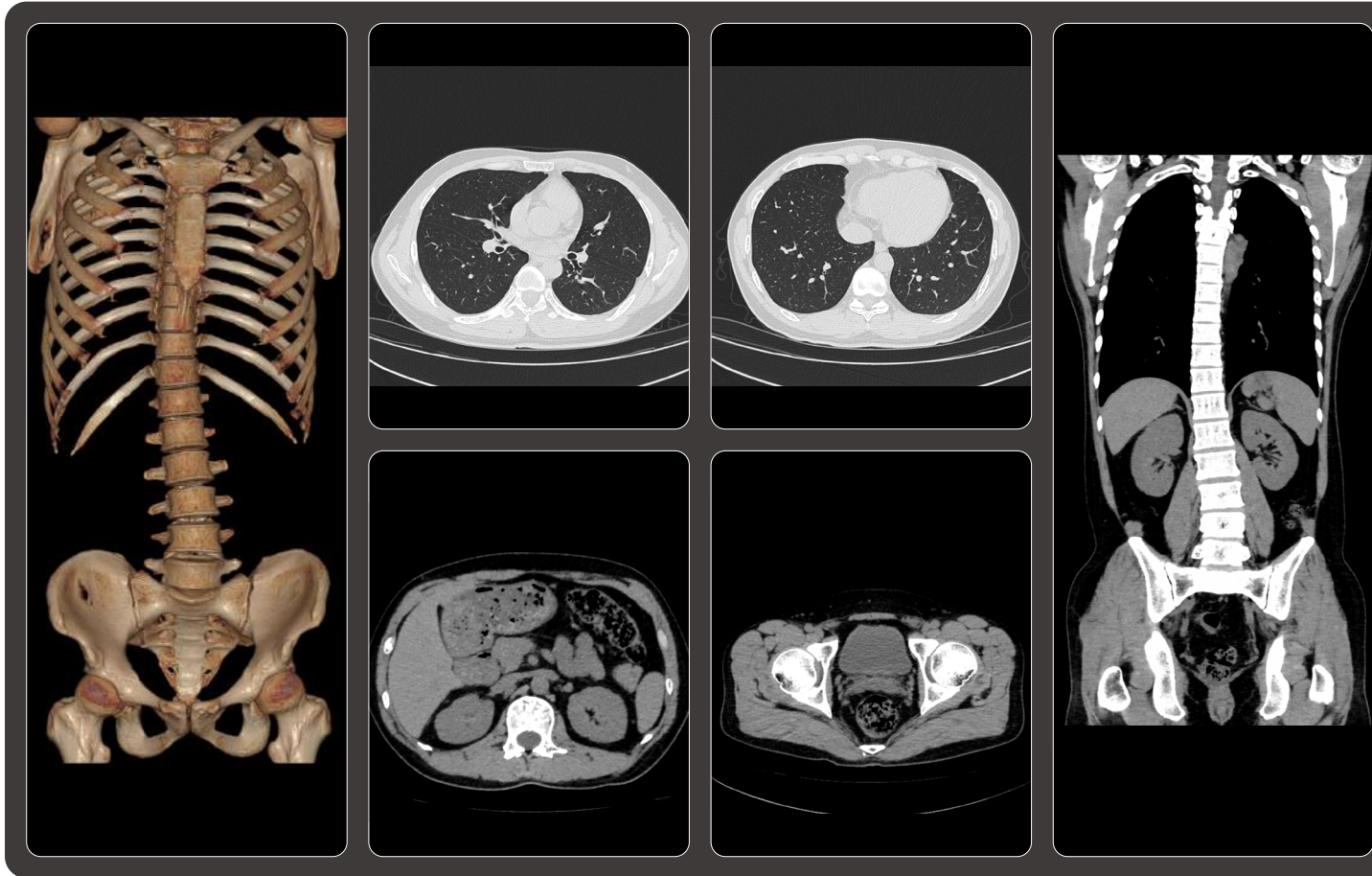
In today's high-stakes clinical environment, diagnostic confidence goes hand in hand with image quality. The uCT Orion Extra combines robust hardware with AI algorithms to optimize image clarity across a wide range of scanning scenarios. Its high-performance hardware provides high quality data acquisition and

stable performance across diverse examinations, while AI-driven deep learning further sharpens anatomical details and supports radiologists' diagnostic confidence. Overall, uCT Orion Extra delivers uncompromised image quality in every scan.

Smooth Scans Powered by High-performance Tube

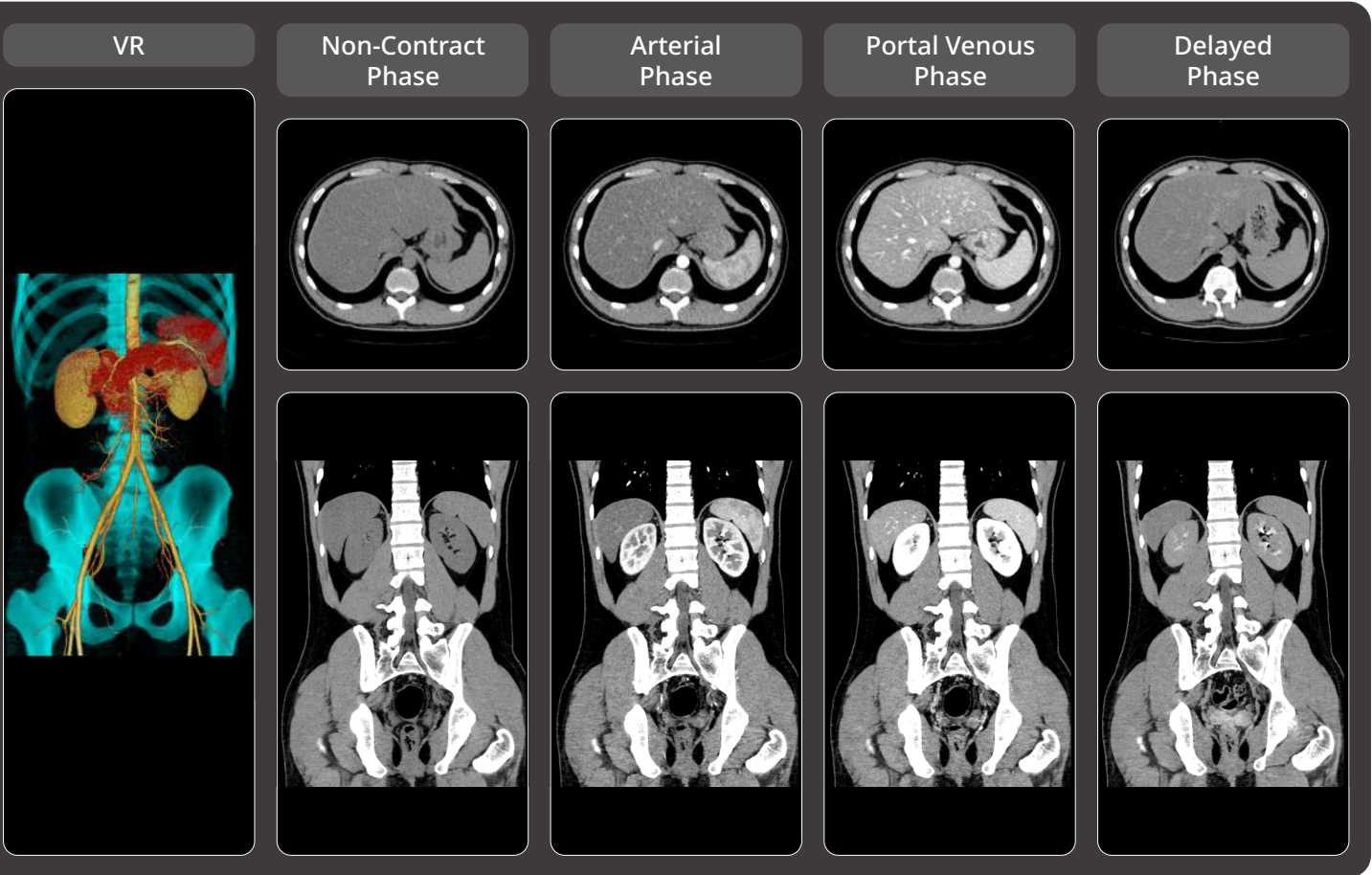
Large-range thoracoabdominal scan

The 746 kHU/min high heat - dissipation tube yields smooth and uninterrupted performance during continuous large - scale scanning. It prevents unnecessary scan interruptions caused by tube overheating, facilitating complex scenarios such as large range continuous thoracoabdominal scans.



Multiphase contrast-enhanced CT scan

Due to the high heat dissipation rate of the uCT Orion Extra's X-ray tube, the system is capable of prolonged exposure, enabling complex scanning scenarios such as multiphase contrast-enhanced studies.



Scan Parameter	Recon Parameter	Contrast
0.71 sec/rotation kV: 120 mAs: 103 CTDIvol: 10.2 mGy Eff.Dose: 9.9 mSv Scan length: 652mm	Matrix: 512 x 512 Slice: 2.0 x 1.0 mm HIR: B_VSOFT_B WW/WL: 300/40	—

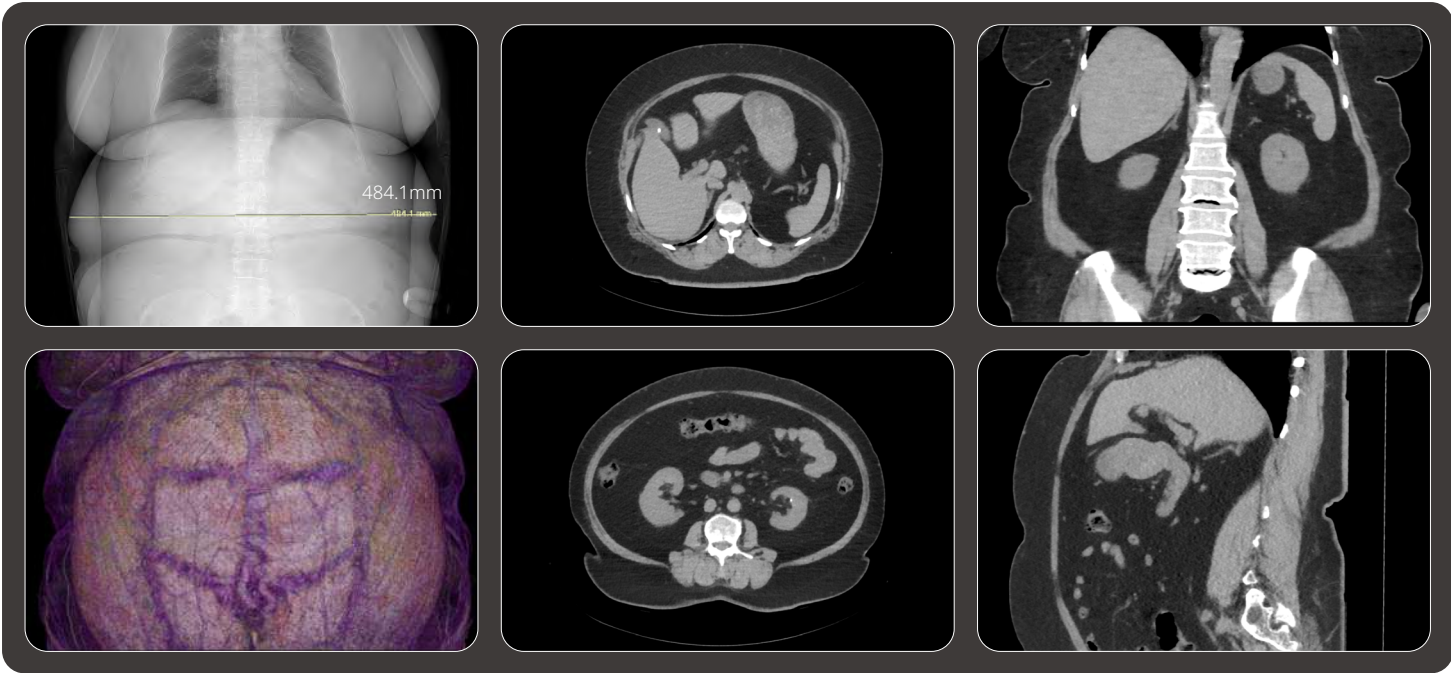
Scan Parameter	Recon Parameter	Contrast
0.71 sec/rotation kV: 100 mAs: 84 CTDIvol: 4.9 mGy Eff.Dose: 3.5 mSv Scan length: 464mm	Matrix: 512 x 512 Slice: 2.0 x 1.0 mm HIR: B_VSOFT_B WW/WL: 300/40	350mg/ml 80ml 2.5ml/s

High-Power Tube and High-Voltage Generator for High-BMI Patient Imaging

Abdominal scan for obese patients

Obese patients typically have larger bodies and thicker subcutaneous fat layers, which hinder effective X-ray penetration and reduce image quality. With the uCT Orion Extra's powerful tube and high-voltage generator, you can achieve uncompromised image

quality, even in obese patients. In this case patient with a high BMI=38.14, rounded hyperattenuating foci within the gallbladder and left kidney are clearly visualized. Additionally, the remaining subcutaneous fat and abdominal organs are distinctly delineated.



Scan Parameter	Recon Parameter	Contrast
0.71 sec/rotation kV: 120 mAs: 185 CTDIvol: 18.2 mGy Eff.Dose: 8.9 mSv Scan length: 652mm	Matrix: 512 x 512 Slice: 1.0 x 0.5 mm HIR: B_VSOFT_B WW/WL: 308/-41	—

High-performance X-ray Tube

Equipped with a high-performance X-ray tube with a heat capacity of 3.8 MHU and a cooling rate of 746 kHU/min, the high cooling rate tube reduces the risk of overheating during prolonged exposure scans, such as large-range thoracoabdominal imaging and multiphase contrast-enhanced scans, allowing these complex scans to be performed more smoothly.



High-Power Tube and High-Voltage Generator

The uCT Orion Extra is equipped with a 48kW high-voltage generator, which allows effective X-ray penetration in high-BMI patients. The system also supports 60kV low-kV scans, enhancing iodine contrast in contrast-enhanced studies, which improves visualization of fine vascular and tissue structures while optimizing the use of contrast. By combining high tube power with low-kV capability, the uCT Orion Extra delivers stable, high-quality imaging in challenging clinical scenarios.

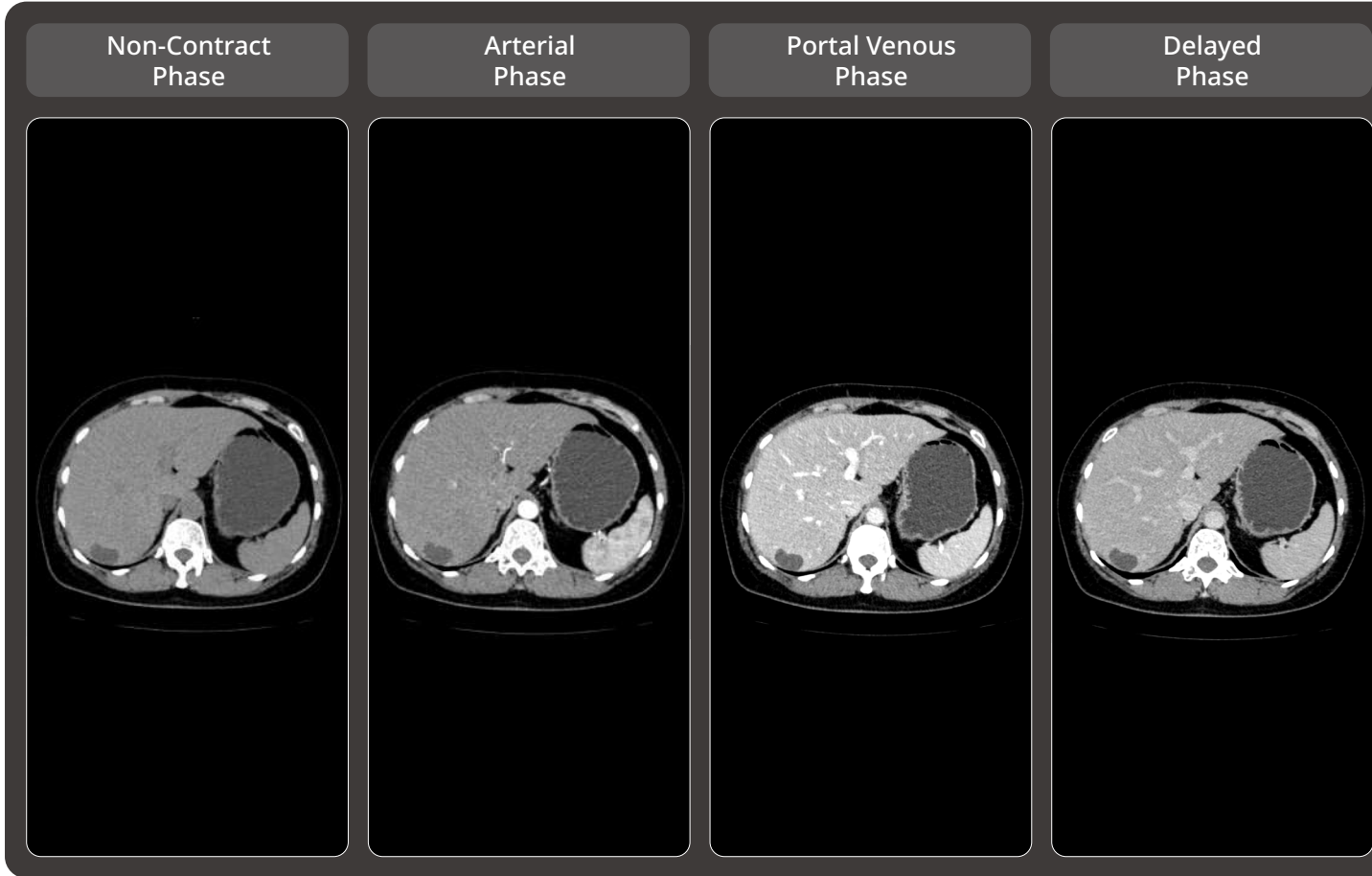


Low-noise Images with Z-Detector

Multiphase contrast-enhanced liver scan

The uCT Orion Extra is equipped with a 40-slice Z-Detector featuring an innovative chip design, which helps achieve low electronic noise levels. This

improvement reduces noise in abdominal images , enhancing the visibility of lesion boundaries.



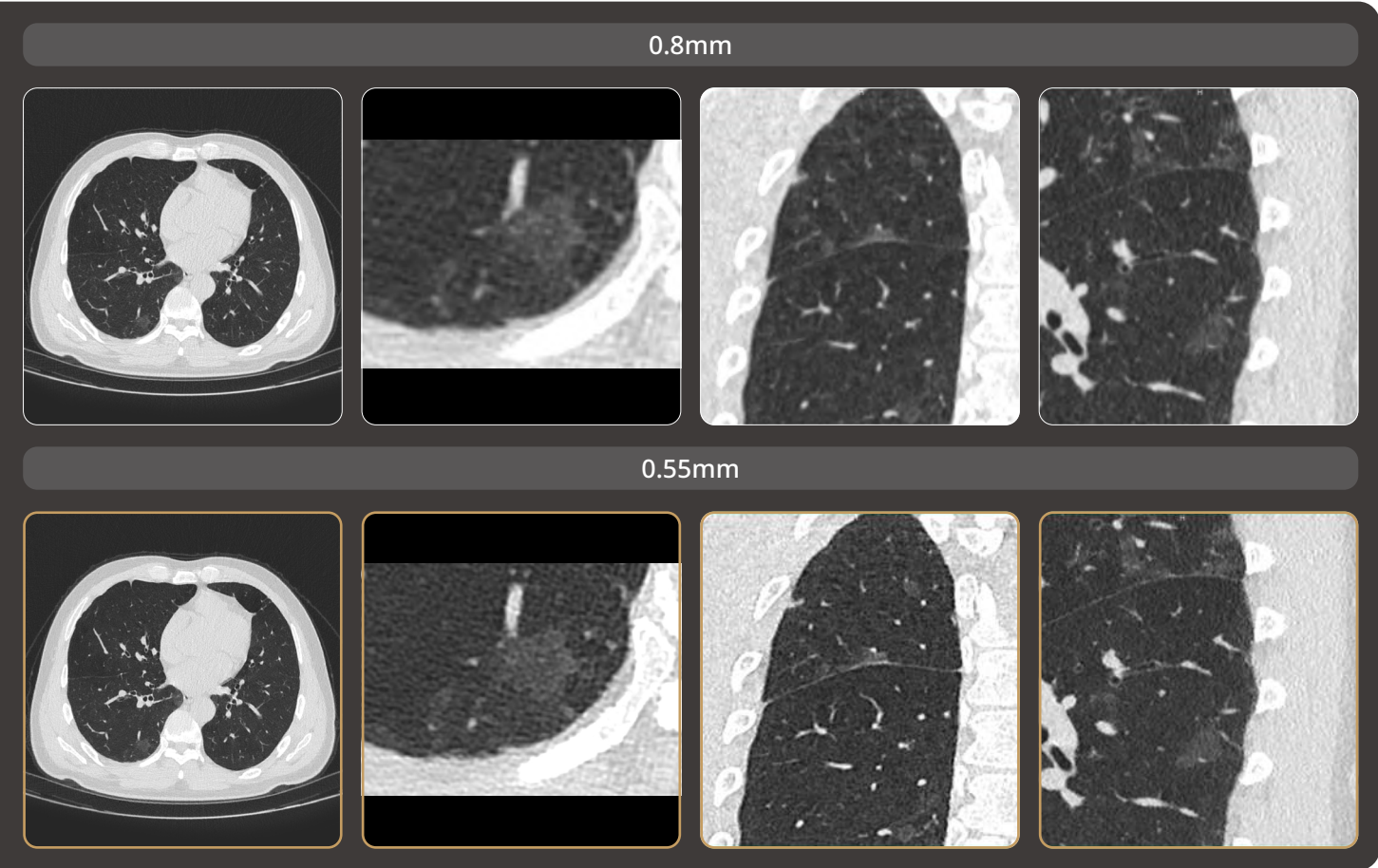
Scan Parameter	Recon Parameter	Contrast
0.71 sec/rotation kV: 120 mAs: 103 CTDIvol: 6.0 mGy Eff.Dose: 2.0 mSv	Matrix: 512 x 512 Slice: 2.0 x 1.0 mm HIR: B_VSOFT_B WW/WL: 300/40	350mgI/ml 80ml 2.5ml/s

Enhanced Detail Images with Z-Detector

Chest image with 0.55mm slice thickness

Images reconstructed at 0.55 mm thickness demonstrate sharper delineation and enhanced visualization of the patchy ground-glass opacity

(GGO) compared to 0.8 mm reconstruction, providing improved definition of the lesion margins.



Scan Parameter	Recon Parameter	Contrast
0.71 sec/rotation kV: 120 mAs: 30 CTDIvol: 2.9 mGy Eff.Dose: 1.5 mSv	Matrix: 512 x 512 Slice: 0.55 / 0.8mm HIR: B_SHARP_C WW/WL: 1500/-500	—

High Resolution Reconstruction with 1024 x 1024 Matrix

Inner ear scan

Compared with 512-matrix reconstruction, 1024-matrix imaging delivers sharper delineation of anatomical structures and lesion margins. The

1024×1024 reconstruction distinctly reveals mastoid air cell opacification and provides a crisp visualization of the ossicular chain.



Scan Parameter	Recon Parameter	Contrast
1.0 sec/rotation kV: 140 mAs: 149 CTDIvol: 41.1 mGy Eff.Dose: 0.7 mSv	Matrix: 512 x 512 & 1024 x 1024 Slice: 0.55 x 0.55 mm HIR: H_VSHARP_C WW/WL: 2600/800	—

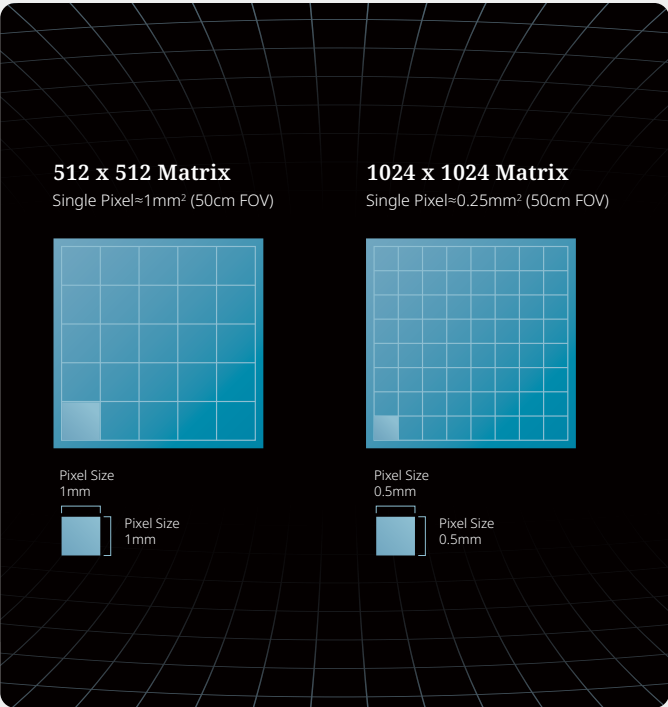
40-slice Z-Detector

The uCT Orion Extra features a 40-slice Z-Detector with an innovative chip design that reduces electronic noise and enhances image quality. With a 0.55 mm minimum slice thickness and a high sampling rate of 4800 views/360°, it captures fine anatomical details, making subtle tissues visible and delivering high-quality images in each scan.



1024x1024 Reconstruction Matrix

Compared to the traditional 512 matrix, the 1024 matrix halves pixel size and quarters pixel area. With a 50-cm scan field of view, its image resolution is four times compared to that of the 512 matrix. Thus, it can more precisely show small lesions and detect those missed by the 512 matrix, reducing miss-diagnosis risks.



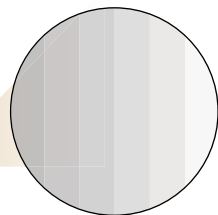
DELTA ✖ Deep Learning Trained Algorithm

DELTA is an advanced reconstruction algorithm powered by deep learning. In contrast to conventional methods such as Filtered Back-Projection (FBP) and Model-Based Iterative Reconstruction (MBIR), DELTA attains a balance among high image quality, low radiation dose, and fast reconstruction speed - a balance that has long been deemed challenging to

achieve. With this achievement, DELTA sets a new benchmark in CT imaging. Moreover, DELTA produces images with a more natural appearance compared to MBIR, making them more familiar and comfortable for radiologists to interpret. This provides radiologists with greater diagnostic confidence, while also potentially improving reading efficiency.

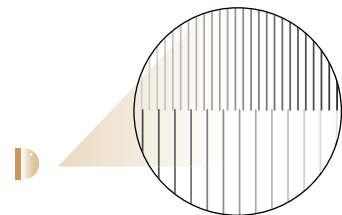
163% ✖✖

Up to 163% low contrast detectability improvement



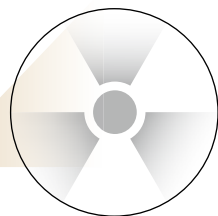
74% ✖✖

Up to 74% spatial resolution improvement



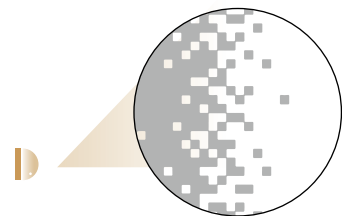
80% ✖✖

Up to 80% dose reduction



98% ✖✖

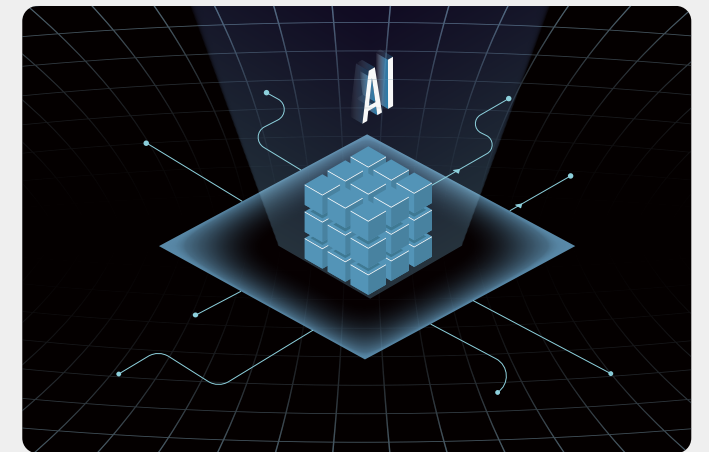
Up to 98% noise reduction



Neural Networks as the Foundation of DELTA

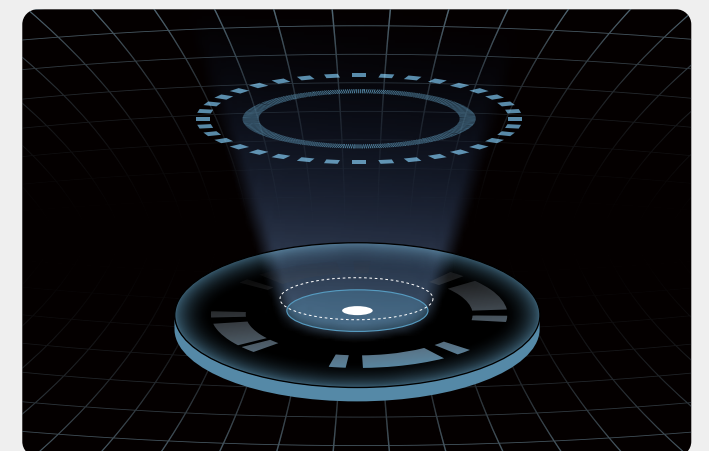
Specialized 3D network design

Unlike conventional 2D networks that process only one image at a time, 3D neural networks can handle volumetric data inputs. This capability preserves data continuity and enhances reconstruction speed, accuracy and reliability.



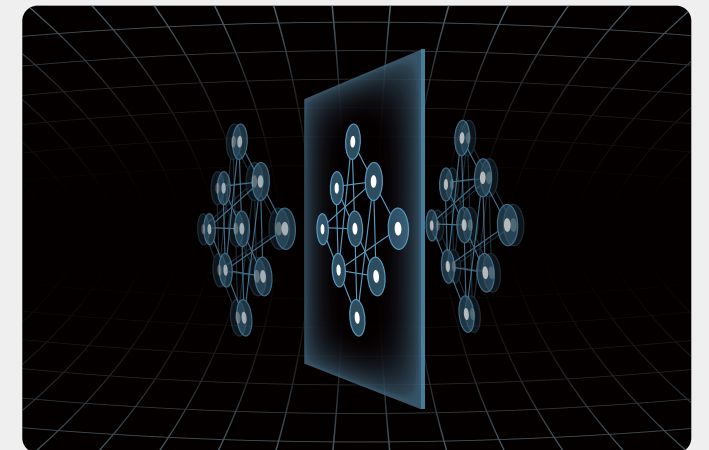
Millions-scale datasets for training

The network learns by comparing noisy inputs with higher-quality references. Trained on over one million cases from diverse clinical scenarios, it identifies and suppress noise while preserving anatomical detail.



Promote reliability and robustness

The network is pushed beyond routine — tested with rare, and extreme cases that mirror real-world clinical complexity.



✖ Optional
✖✖ DELTA images compared with FBP based on phantom tests. Data on file.

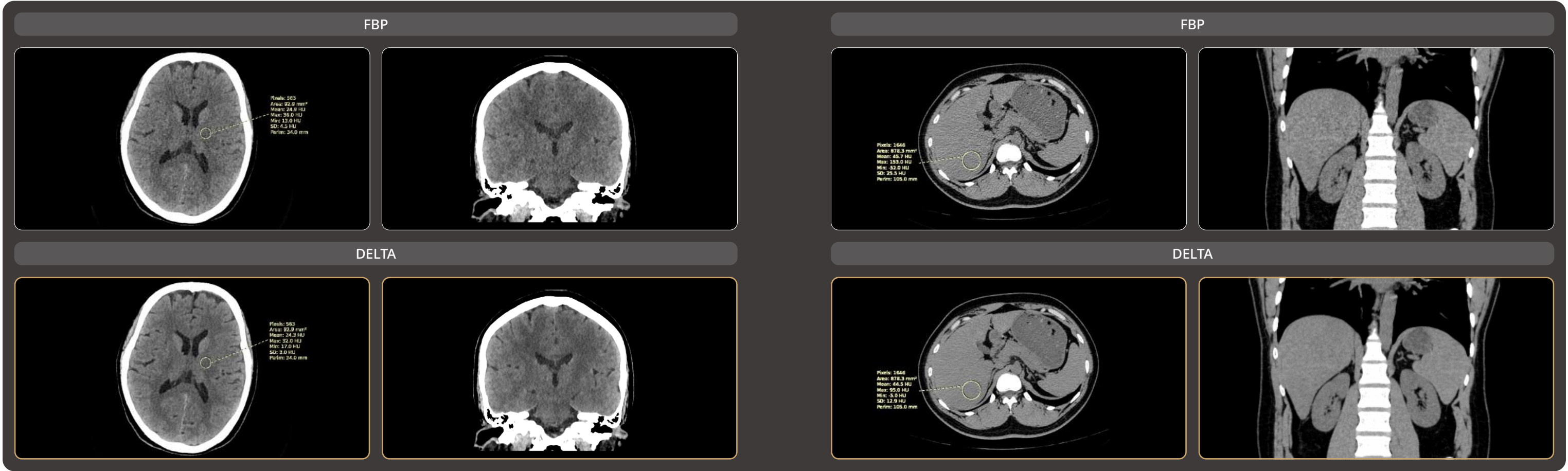
DELTA: Noise Reduction and Low-Contrast Enhancement

The DELTA reconstruction algorithm provides distinct advantages in non-contrast brain CT, including mitigation of skull base artifacts, improved gray-white

matter differentiation, and overall enhancement of image quality.

The DELTA algorithm is capable of identifying and suppressing image noise. In this abdominal case, the application of DELTA enables clearer visualization

of the fatty liver, thereby facilitating the radiologist's assessment of hepatic fat infiltration.

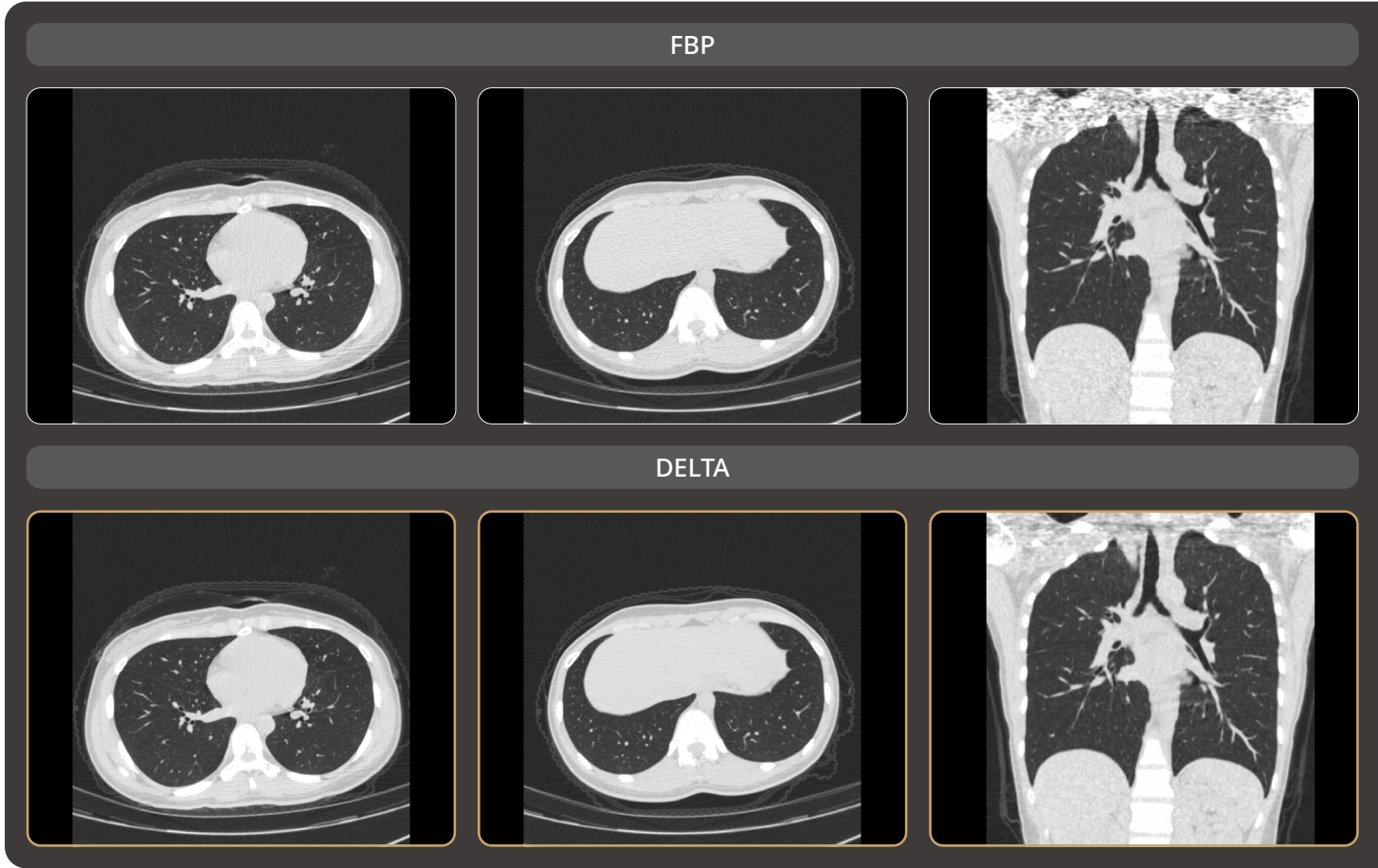


Scan Parameter	Recon Parameter	Contrast
kV: 120 mAs: 285 CTDIvol: 45.8 mGy Eff.Dose: 1.7 mSv	Matrix: 512 x 512 Slice: 1.0 x 0.8 mm HIR: H_SOFT_B DL-Denoise level : 3 WW/WL: 80/35	—

Scan Parameter	Recon Parameter	Contrast
kV: 120 mAs: 139 CTDIvol: 13.706 mGy Eff.Dose: 6.018 mSv	Matrix: 512 x 512 Slice: 1.0 x 1.0 mm HIR: B_SOFT DL-Denoise level : 3 WW/WL: 300/40	—

DELTA: High Image Quality at Low Radiation Dose

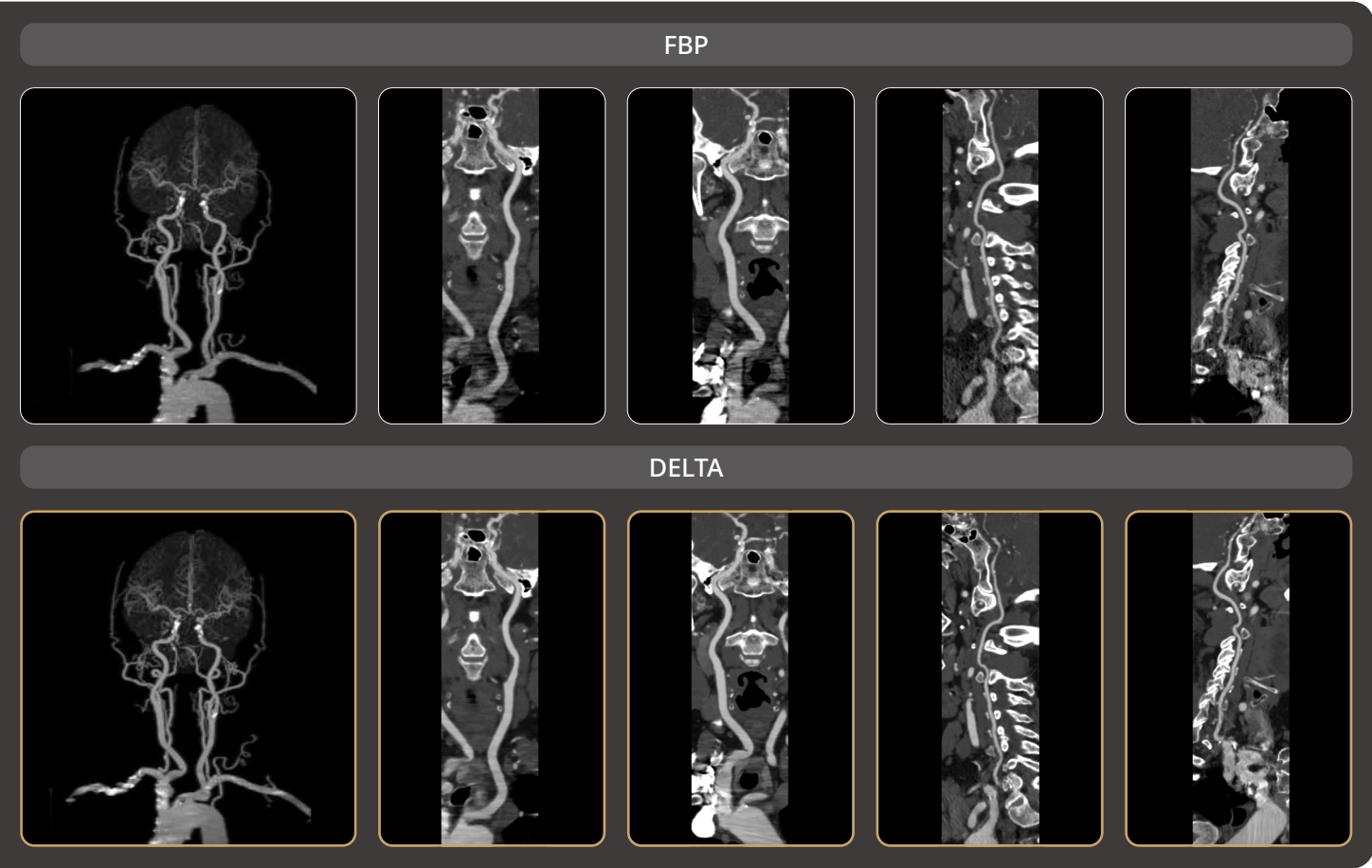
DELTA reconstruction, in combination with 60 kV low-dose chest CT scan, achieves notable radiation dose reduction while enhancing image quality through noise reduction and suppression of shoulder streak artifacts.



Scan Parameter	Recon Parameter	Contrast
kV: 60 mAs: 210 CTDIvol: 1.8mGy Eff.Dose: 0.8 mSv	Matrix: 512 x 512 Slice: 1.0 x 0.5 mm HIR: B_SHARP DL-Denoise level : 3 WW/WL: 1500/-500	—

DELTA: Image Quality Optimization in CT Angiography

DELTA reconstruction enhances distal vessel visualization compared with conventional algorithms, while reducing shoulder-region streak artifacts and their impact to vascular assessment.



Scan Parameter	Recon Parameter	Contrast
kV: 100 mAs: 130 CTDIvol: 7.568 mGy Eff.Dose: 0.54mSv	Matrix: 512 x 512 Slice: 1.0 x 0.5 mm HIR: H_SOFT+ DL-Denoise level : 3 WW/WL: 820/250	350mgI/ml 65ml 4.2ml/s

Head Motion Artifacts Pose a Challenge in Medical Imaging

Head motion artifacts are patient-based artifacts caused by voluntary or involuntary movement during image acquisition. These artifacts, such as blurring, streaking, or shading, lead to misregistration that can compromise diagnostic accuracy^[1]. In head scanning,

nearly 21% of patients experience head movements that cause perceptible motion artifacts, leading to data discontinuities and significantly degrading image quality^[2].



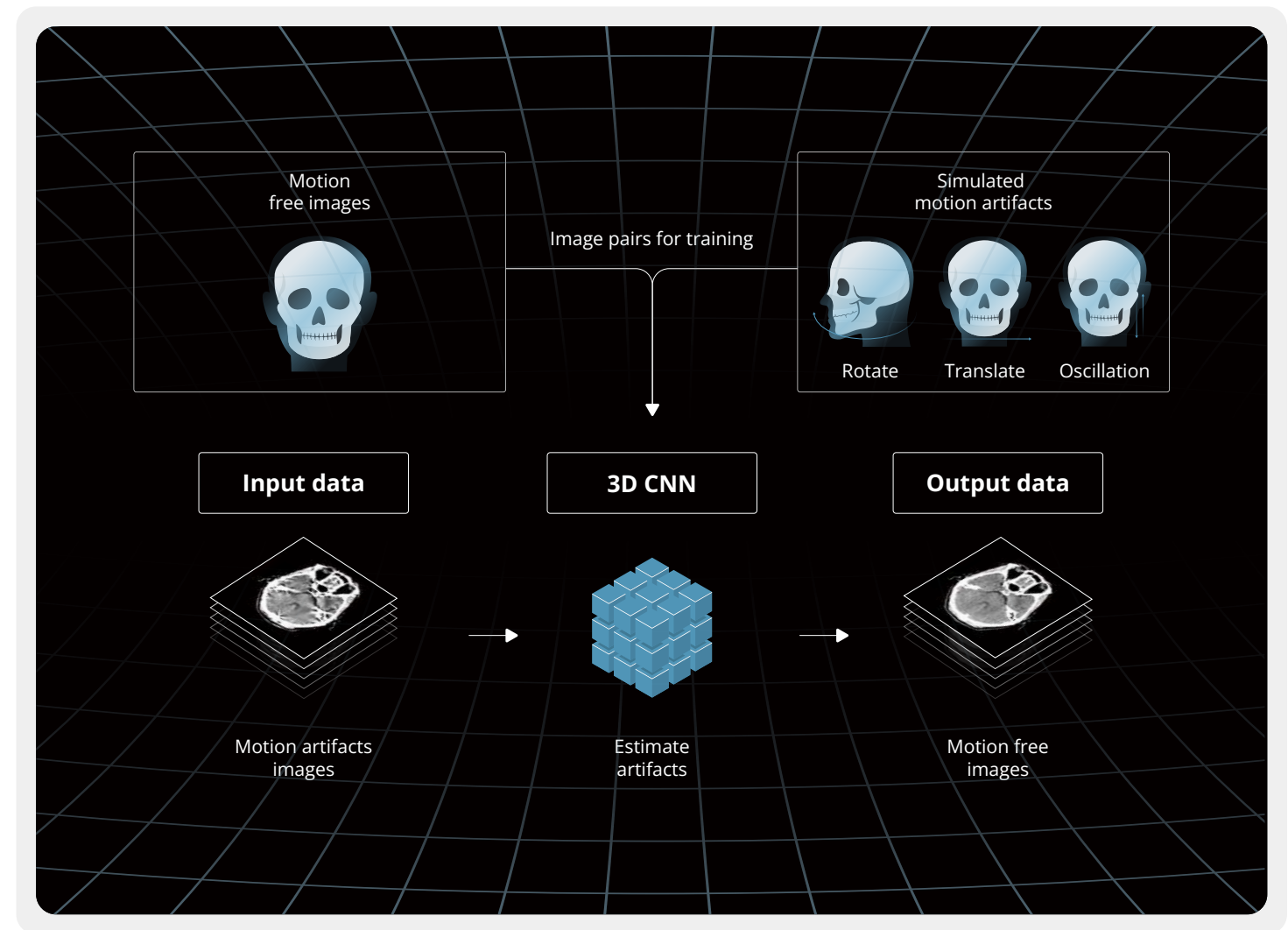
[1] Barrett JF, Keat N. Artifacts in CT: recognition and avoidance. Radiographics. 2004;24 (6): 1679-91. doi:10.1148/rg.246045065 - Pubmed citation

[2] Hernandez, D., Eldib, M. E., Hegazy, M. A., Cho, M. H., Cho, M. H., & Lee, S. Y. (2018). A head motion estimation algorithm for motion artifact correction in dental CT imaging. Physics in Medicine & Biology, 63(6), 065014.

Motion Freeze AI for Suppression of Head Motion Artifacts

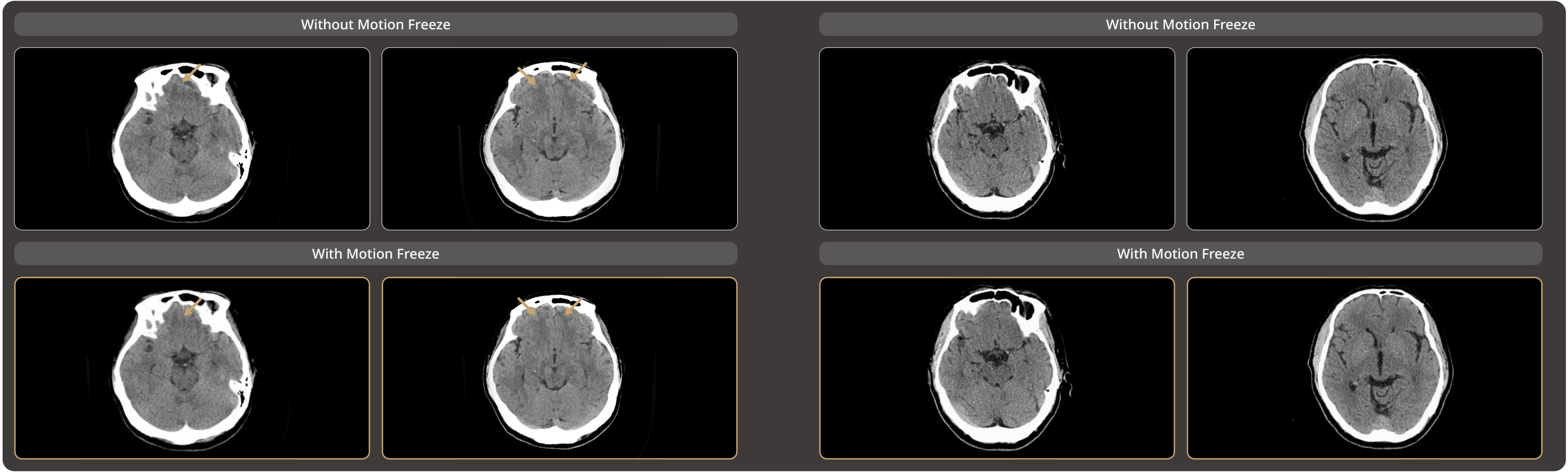
Patient head movement typically involves multiple motion patterns, which makes it challenging to obtain large datasets of head motion artifacts for training deep learning algorithms. To construct the training dataset, the Motion Freeze algorithm generates simulated artifacts on gold-standard images

along the X, Y, and Z axes, encompassing rotation, translation, oscillation, and mixed motion patterns. By introducing diverse motion artifacts, this approach enables the trained network model to handle a broad spectrum of motion conditions.



Head Motion Artifacts Suppression

Motion Freeze effectively suppresses head motion artifacts, providing a clear view of brain structures without obscuring lesions. By minimizing the need for repeated scans, it saves time, conserves resources, and avoids unnecessary radiation exposure for patients.



Head Axial	Recon Parameter	Contrast
kV: 120 mAs: 299 CTDIvol: 55.4 mGy Eff.Dose: 1.7 mSv	Matrix: 512 x 512 Slice: 5.5 x 5.5 mm HIR: H_SOFT_B WW/WL: 80/35	—

Head Axial	Recon Parameter	Contrast
kV: 120 mAs: 277 CTDIvol: 38.447mGy Eff.Dose: 1.13mSv	Matrix: 512 x 512 Slice: 5.5 x 5.5 mm HIR: H_SOFT_B WW/WL: 80/35	—



Achieve Greater Investment and Unlock Long - Term Value

Investing in the uCT Orion Extra goes beyond a CT scanner—it delivers long-term value. Apart from reliable hardware and comprehensive clinical applications that deliver greater value throughout your imaging operations, it helps optimize operational costs at every stage—from lowering the initial investment to incorporating sustainable design

features that reduce daily operating costs. Moreover, integrated remote support helps limit downtime while providing timely guidance whenever assistance is needed. With the uCT Orion Extra, every aspect of your investment is optimized to provide lasting value today and well into the future.

Lowering Early-Stage Renovation Costs

Smaller footprint, lower renovation costs※

The small CT footprint allows it to fit into limited spaces. By saving on valuable space, it reserves more movable area for users. Compared with the previous generation product, it reduces the need for infrastructure modifications, making installation more flexible and cost-efficient.

Footprint

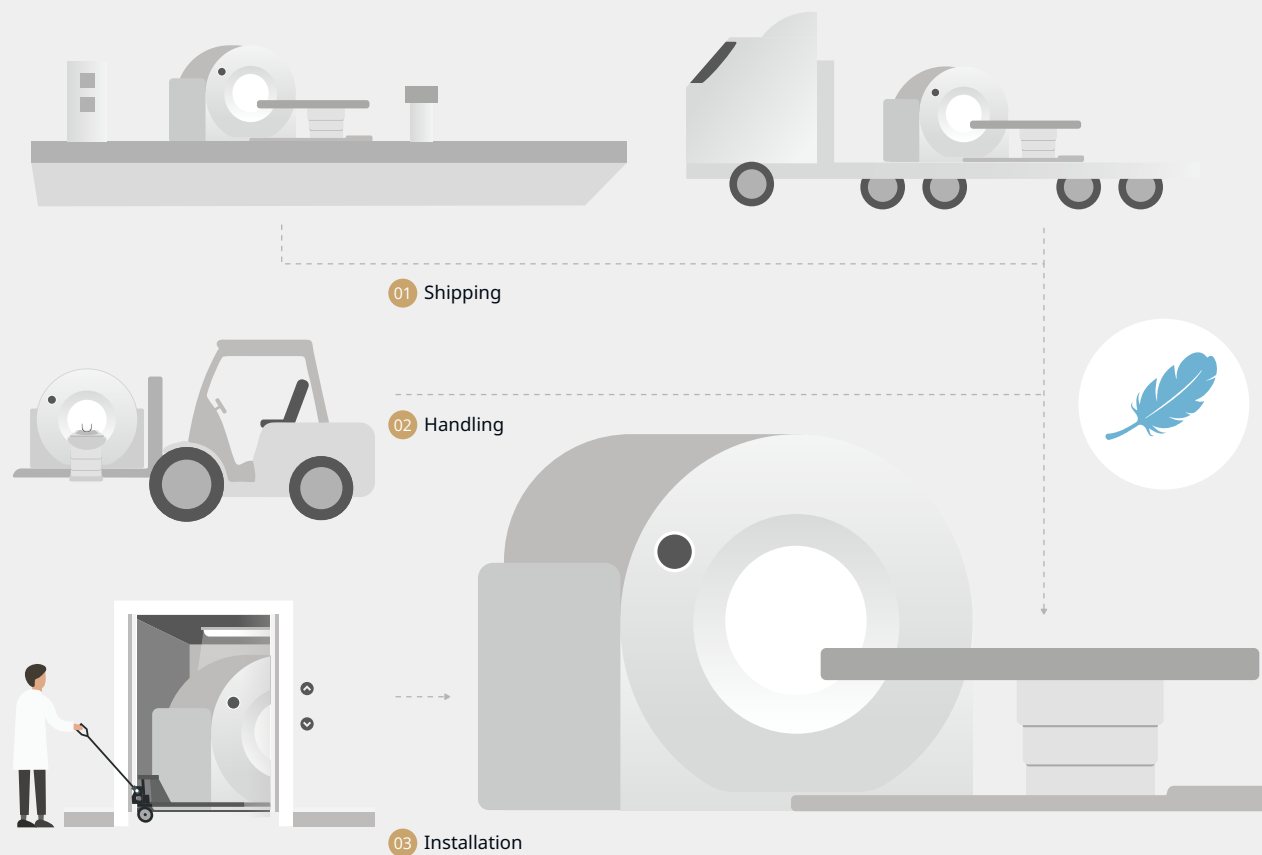
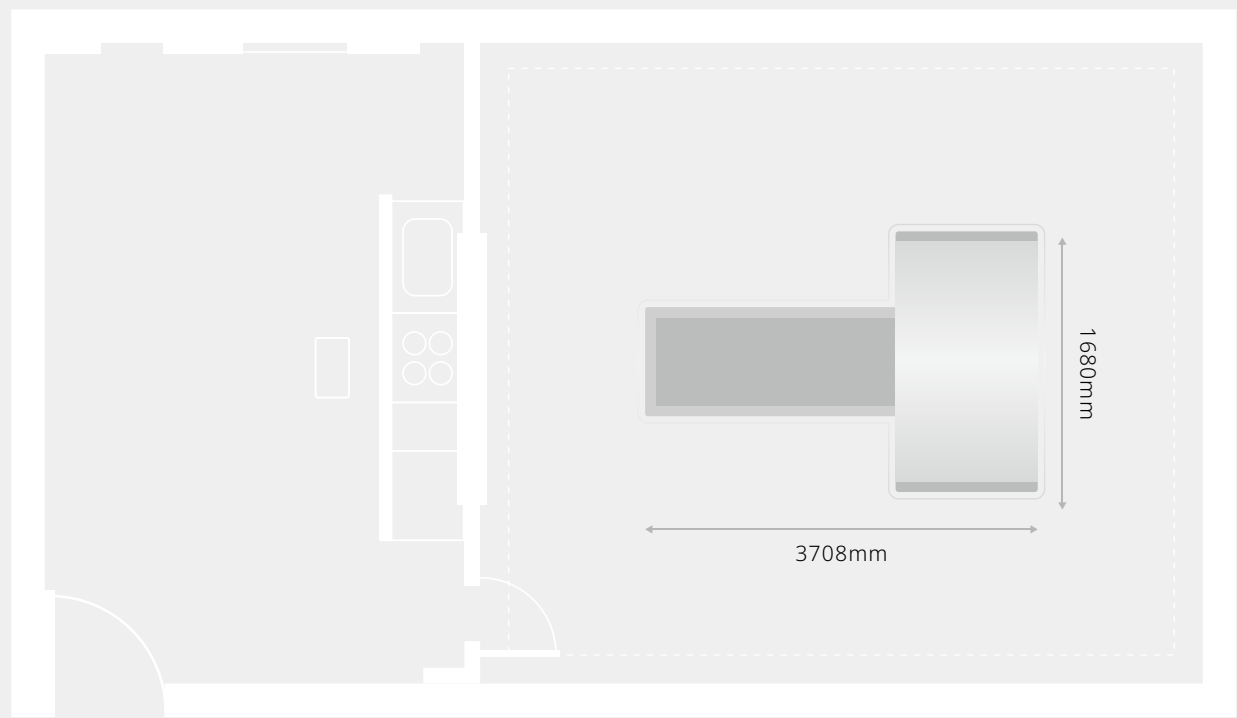
3.12m²

Lighter weight, easier installation

Compared to its predecessor, its lightweight, compact design cuts installation site load-bearing demands. Weighing just 960 kg, it meets most freight elevator load standards. This design enhances installation and service convenience and efficiency, while reducing overall setup time and improving serviceability.

Gantry Weight

960kg



※ The footprint data tested is derived from fixed patient scan beds

Save More with uEco Mode

During idle scanning , such as at night or on weekends, the user can enter uECO mode with one click. The uECO mode effectively reduces power consumption by partially powering down hardware components while maintaining essential functionality to ensure optimal system performance. In uECO

mode, the detector remains fully operational, ensuring that its internal components are in an active and stable state. This allows the machine to quickly reach the scanning state when resumed from uECO mode, thus maintaining high-quality image quality.

Daily power consumption ※

22.6kWh

uEco Mode reduces power consumption by ※※

24%



※ According to COCIR low power-scenario test
 ※※ Compared to standard mode

Remote Service Keeps Running Smoothly

The uCT Orion Extra offers Remote-related functionalities. When unexpected issues arise, users can instantly connect with service engineers for timely support. Users can also perform remote

software updates, keeping the system performance optimized, enhancing operational efficiency, and unlocking the full potential of the CT.

uRemote Assistance

With uRemote Assistance, users can quickly connect with service engineers, who can remotely view the user interface and access the service interface to identify the cause of errors, providing guidance and timely support to reduce system downtime.



Remote Update

With Remote Update, users can perform regular software updates remotely without affecting daily scanning. Users can choose the installation time independently, keeping the system always up to date.



uCT Orion Extra

3.8 MHU Tube

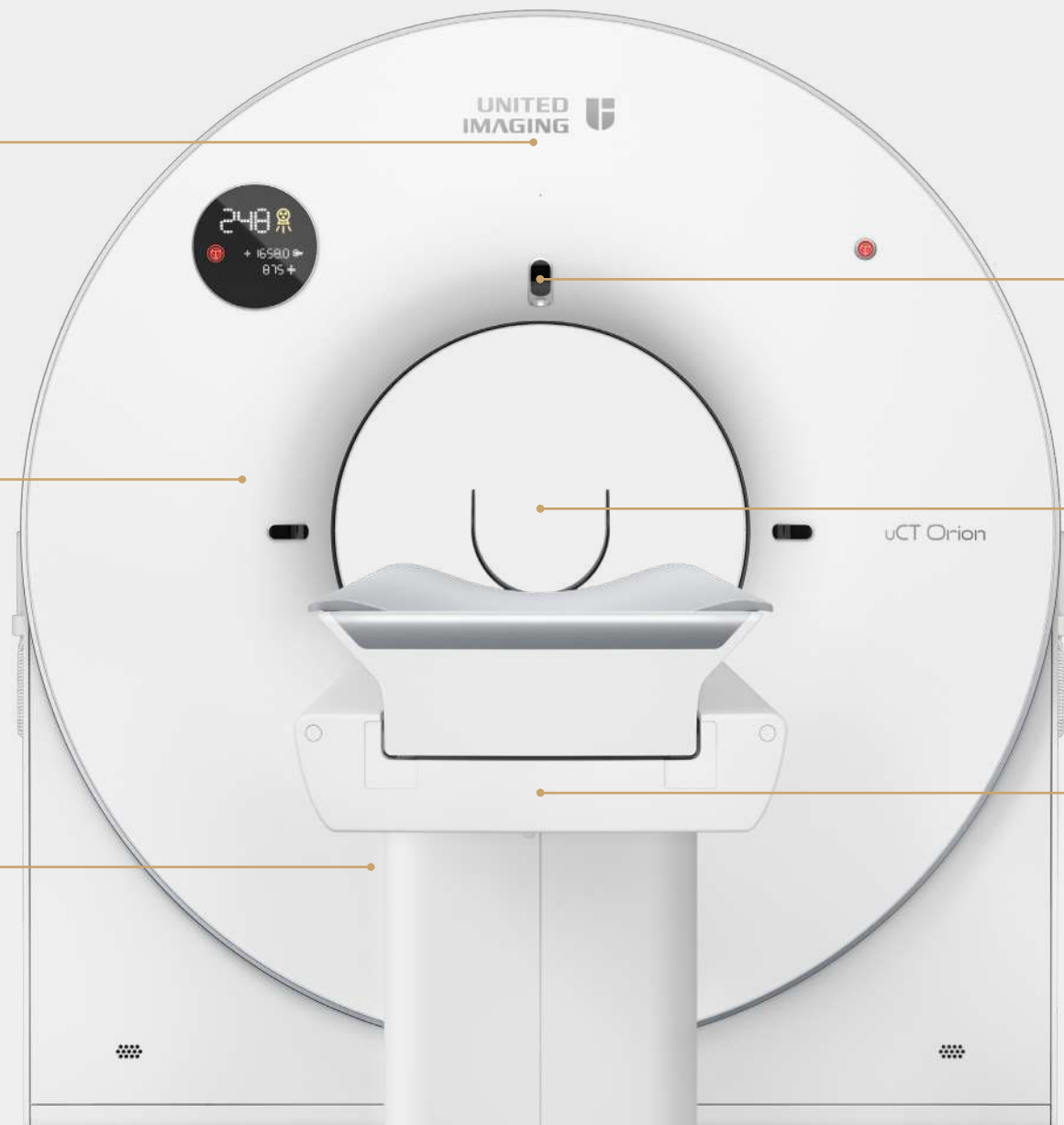
The maximum tube heat dissipation up to 746 kHU/min

48kW High Voltage Generator

Supports high-power exposure

40-Slice Z-detector

Z-detector with 0.55 mm pixel size and up to 4800 views per rotation



uAI Vision

AI to improve scan efficiency and enable real-time patient monitoring

Gantry

70 cm bore size

Patient Table

The maximum table load 180 kg (fixed) /250 kg (liftable)※

DELTA※

Deep learning trained algorithm that enhances diagnostic confidence without compromise.

Motion Freeze

AI for suppressing head motion artifacts, reducing the need for head repeated scans.

Dual Energy※

Supports dual-energy scanning and analysis to provide more diagnostic information.

Q-Check for Image Quality

Employs AI algorithms to provide real-time scanning prompts, reducing the likelihood of patient recalls.

※ Optional

User in Mind Design

Focusing on user experience, our system combines precision with a lightweight and artistic design, providing patients with a sense of ease and comfort during their medical procedures. With uCT Orion Extra, we're committed to delivering trusted medical care that respects the patient's needs and preferences.



User-friendly Design

The product design delivers comfort, safety, efficiency and ease-of-use. By applying ergonomic principles, uCT Orion Extra combines innovative design with optimal functionality in order to provide the best possible user experience and optimize patient comfort during the examination.



Sophisticated Craftsmanship

Driven by the principles of precision design, we meticulously refine every aspect of our technology.



Pleasing Aesthetics

Our design scheme integrates modern aesthetics with minimalism, presenting a seamless fusion of traditional and modern styling.