

Shanghai United Imaging Healthcare Co., Ltd.

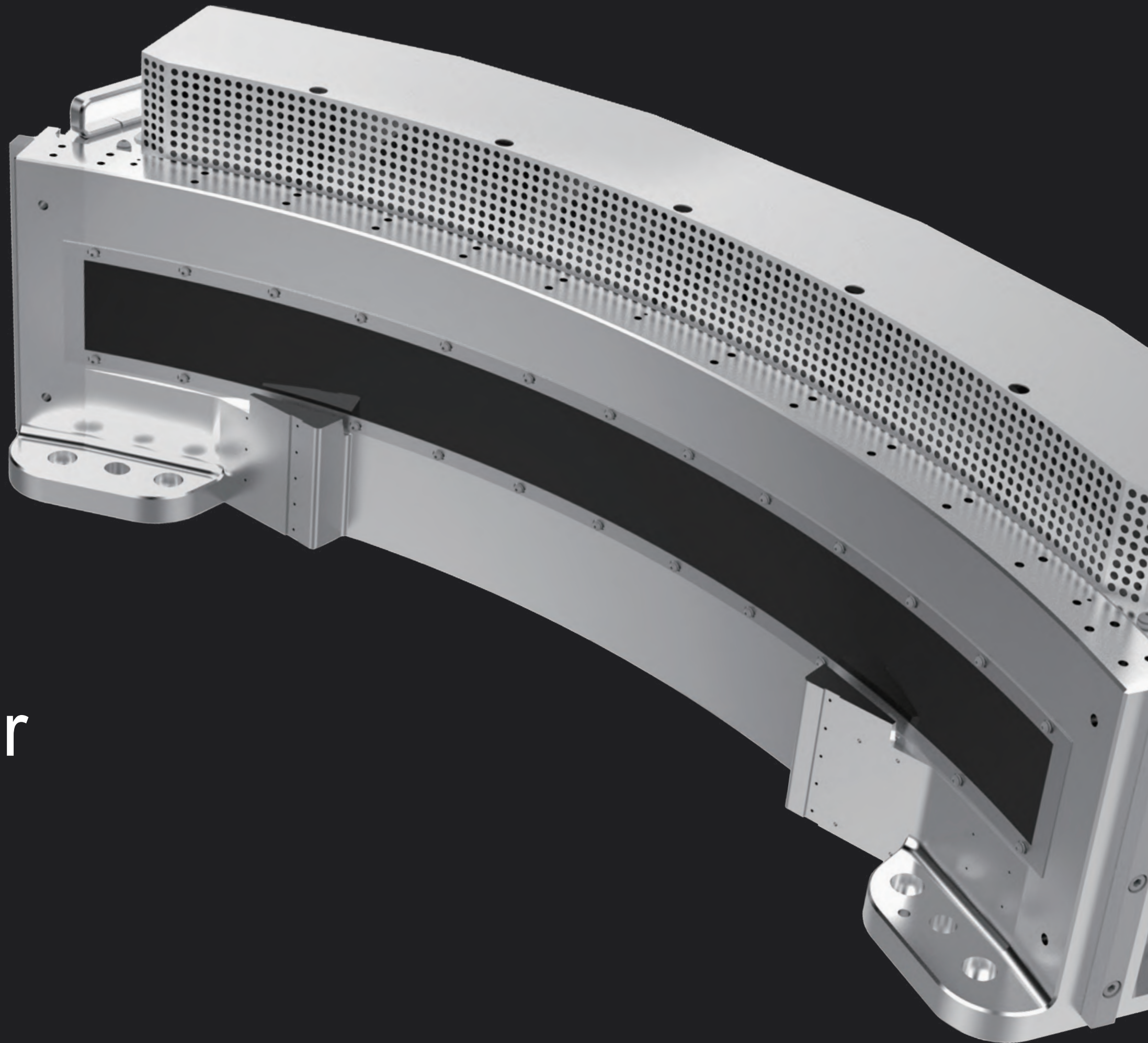


UCT 760
Best of "U" Choice


UCT 760

- Unprecedented Z-Detector
- Uncompromised Imaging Chain
- Ultra-low Dose Management



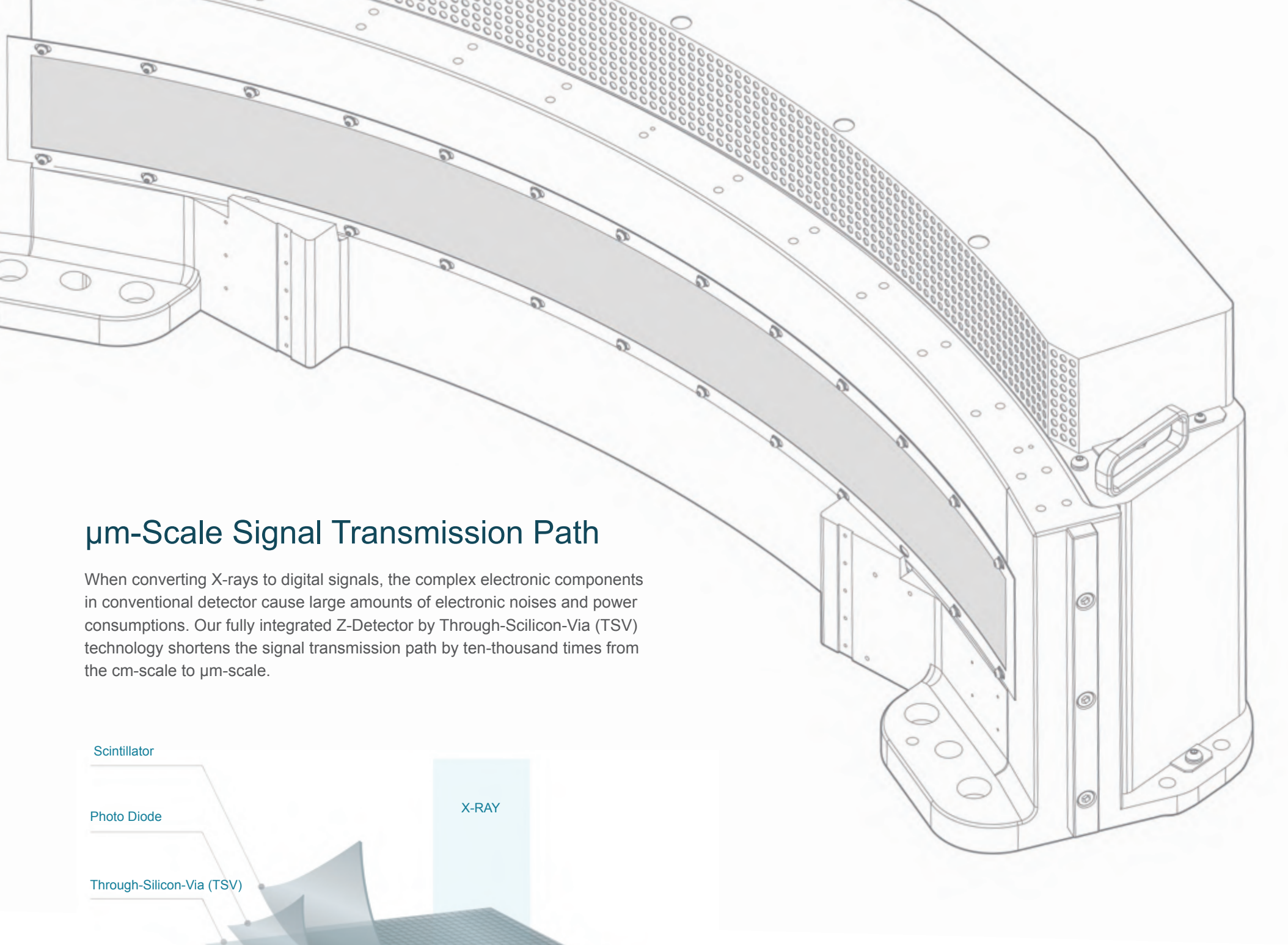


Z-Detector

 Zero Transmission Loss

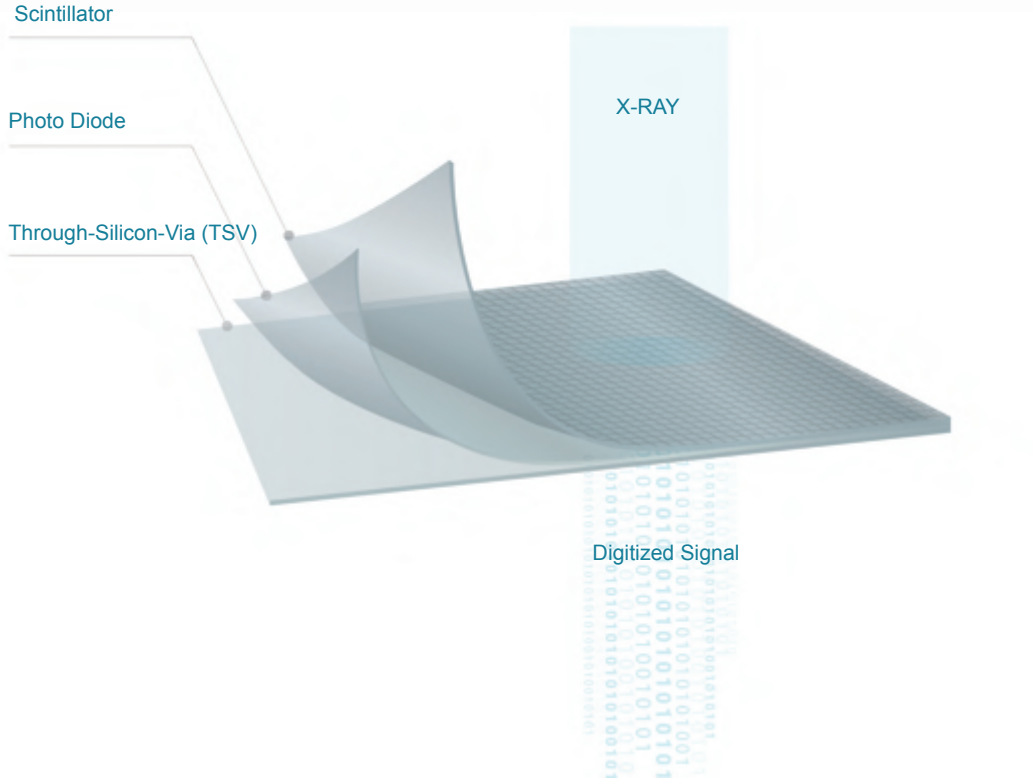
 Zero Electronic Noise

 Zero Image Distortion



µm-Scale Signal Transmission Path

When converting X-rays to digital signals, the complex electronic components in conventional detector cause large amounts of electronic noises and power consumptions. Our fully integrated Z-Detector by Through-Scilicon-Via (TSV) technology shortens the signal transmission path by ten-thousand times from the cm-scale to µm-scale.



Zero Transmission Loss Revolutionize the way signal travels

The fully integrated Z-Detector makes the transmission path ten thousand times shorter, achieving effective suppression of electromagnetic interference and efficient X-ray utilization. Signal loss during transmission is minimized.



Zero Electronic Noise Reduce electronic noise to the single-photon level

The outstanding de-noising performance substantially improves signal-to-noise ratio (SNR), and significantly enhances imaging capability of fine details.



Zero Image Distortion Synchronize 360 million voxels

Every detector element in the Z-Detector has a 0.5 mm pixel size along the z-direction in order to achieve optimized 0.25 mm isotropic resolution, which guarantees no distortion and preserves every image detail.

See More with Less

Reveal the diagnostic details with minimized radiation dose.



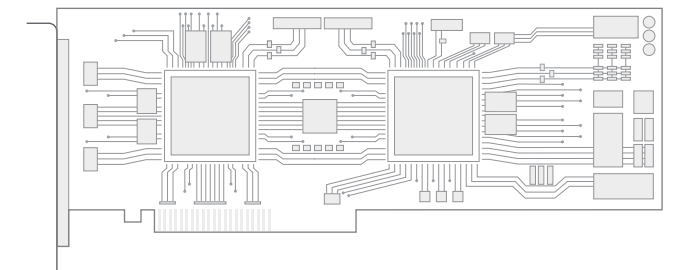


GWB Reconstruction Accelerator

Instantaneous Reconstruction of Massive Data

The fully customizable and scalable computing architecture of GWB boosts computing capability by six times compared to conventional Graphics Processing Units (GPUs).

6x
High-Speed
Reconstruction

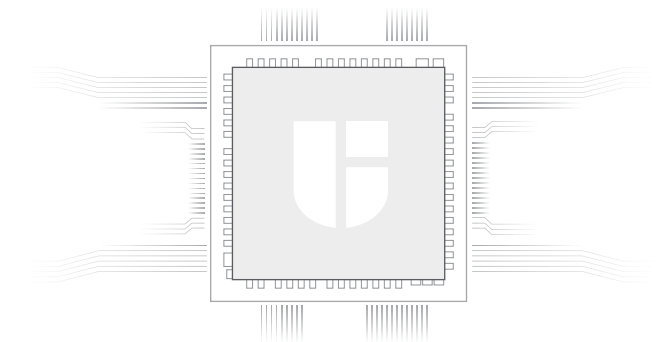


128-Slice Double Sampling Reconstruction

Innovative Signal Sampling Method

The 128-slice double sampling reconstruction the sampling rate along z-direction, resulting in greatly enhanced image resolution.

128
Slices
Double Sampling



Dual Techniques for Dose Reduction

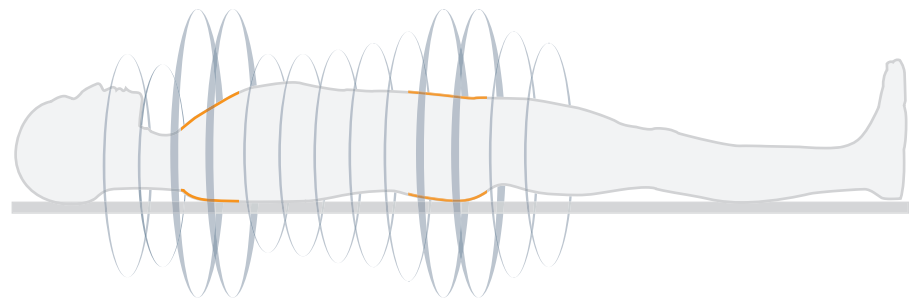
Tailored Low Dose Scan Experience

Using the unique KARL 3D Iterative Reconstruction and uDose Intelligent Tube Current Modulation technologies, the radiation dose is reduced substantially without sacrificing image quality.

uDose uDose Intelligent Tube Current Modulation

Adapted to Every Patient

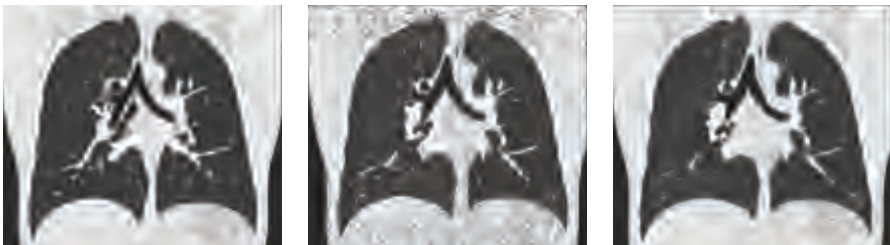
The tube current is automatically adjusted according to different anatomy and positions to avoid unnecessary radiation caused by overexposure.



KARL 3D KARL 3D Iterative Reconstruction

Significant Reduction in Radiation Dose

KARL 3D employs a generalized gradient descent iterative denoising technique in both projection space and image space. With low-dose scan, it achieves high image quality comparable to that of regular-dose image.



FBP, 120 kV, 150 mAs

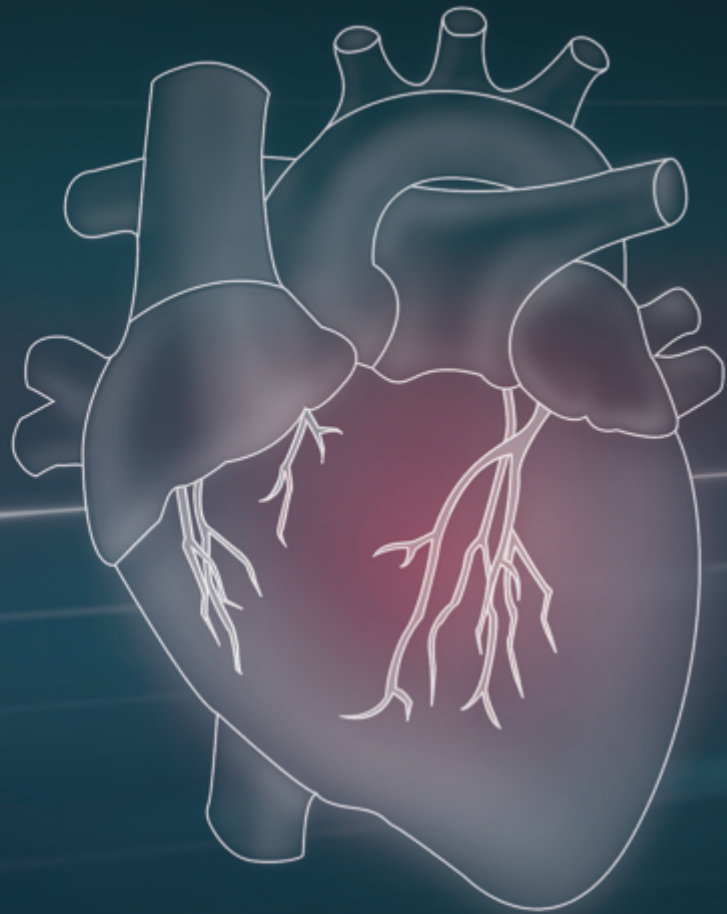
FBP, 100 kV, 10 mAs

KARL 3D®, 100 kV,
10 mAs



Motion-Freeze Cardiac Imaging

Accurate ECG Acquisition and Real-time Motion Freeze



Multi-Phase Cardiac Imaging

Vastly improve success rate of heart scans

Multi-phase imaging technique catches every heartbeat and provides cardiac imaging with exquisite accuracy.



Integrated Wireless ECG Monitoring System

Precisely catch every heartbeat signal

This solution provides accurate and real-time acquisition of ECG signal, as well as automated detection of arrhythmia and abnormality.

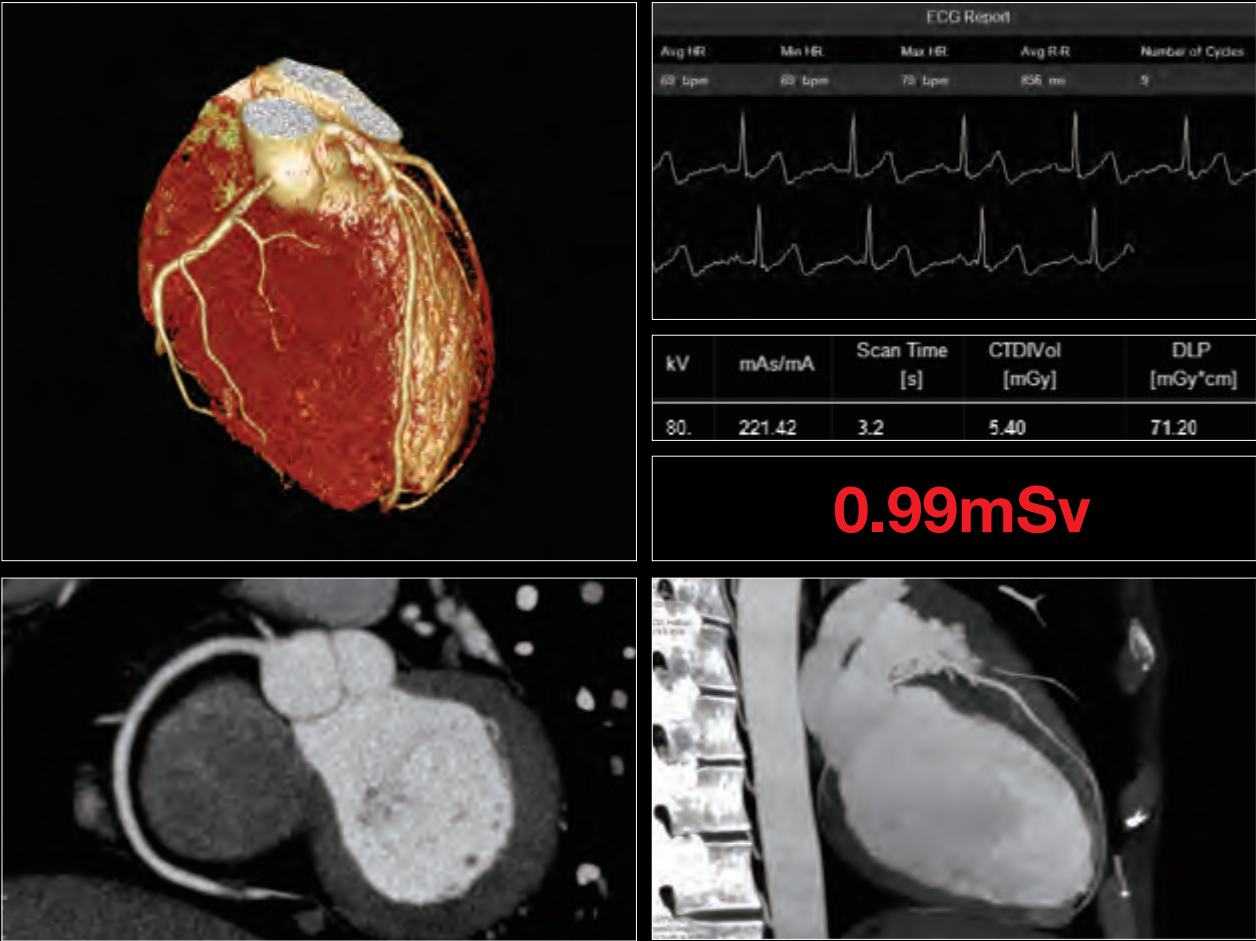
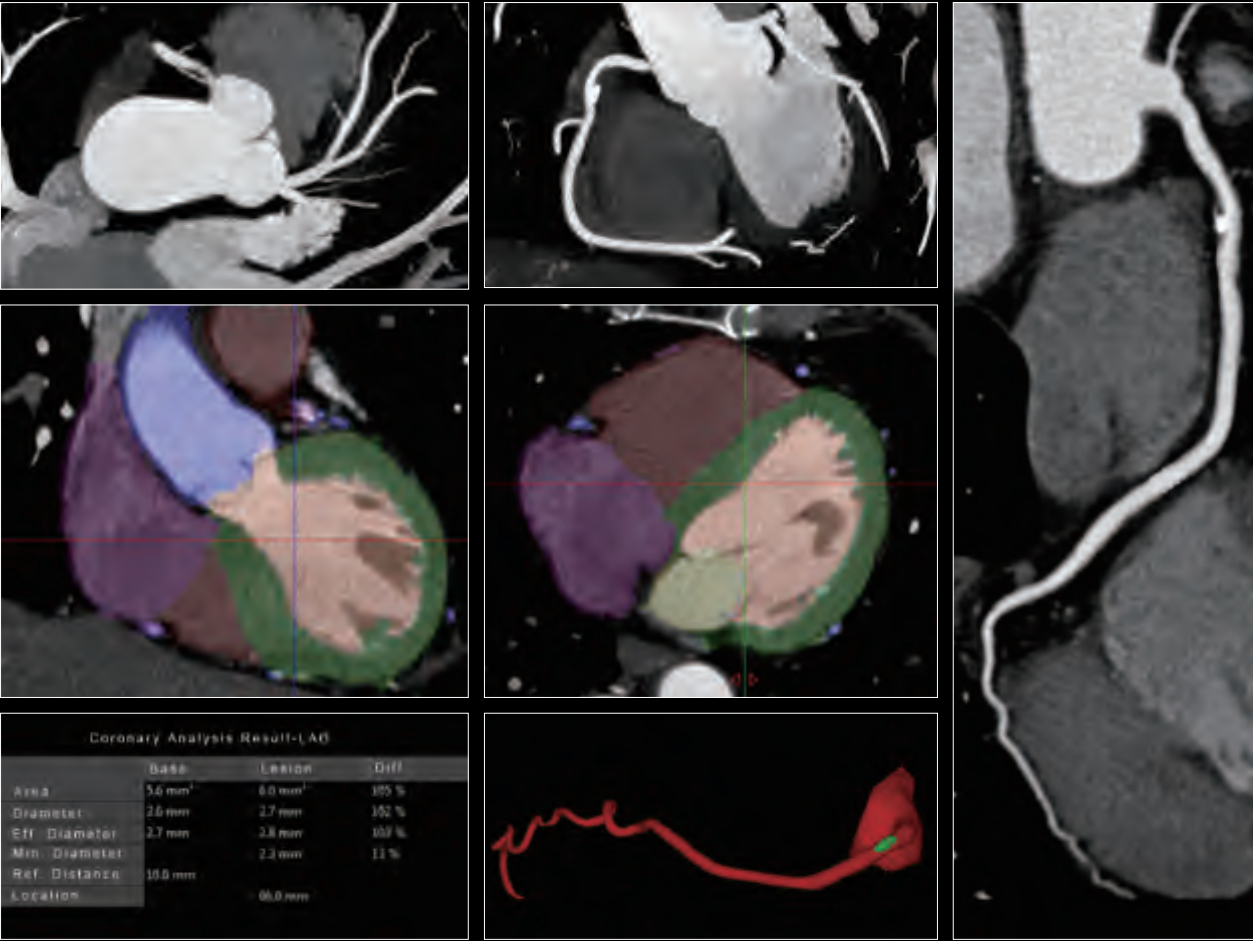
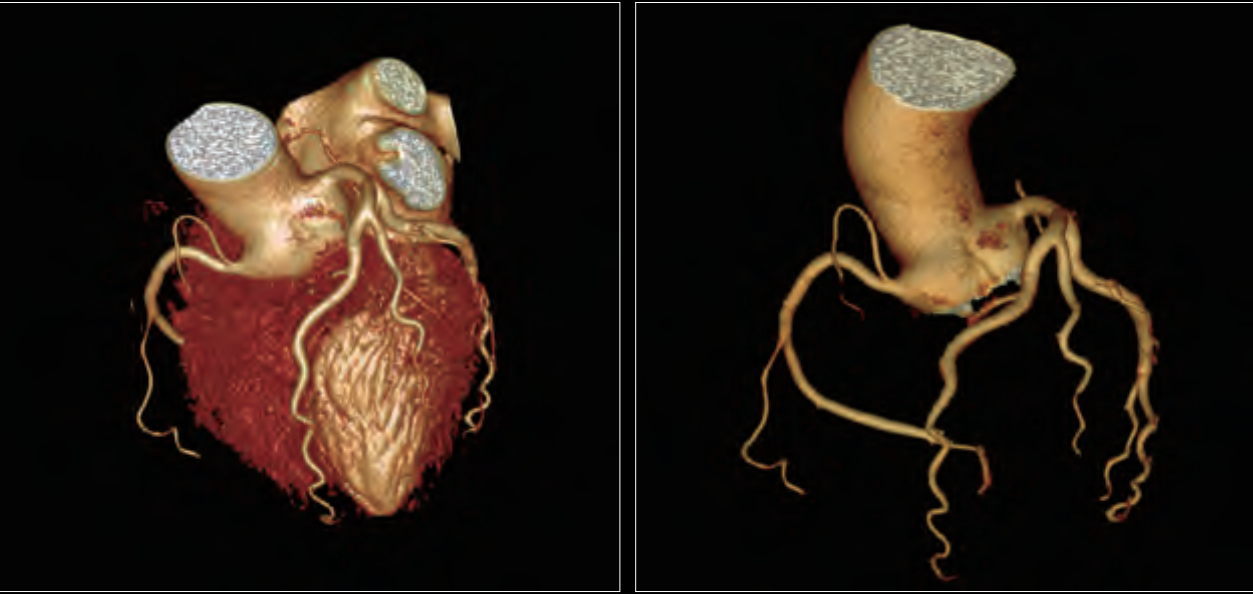


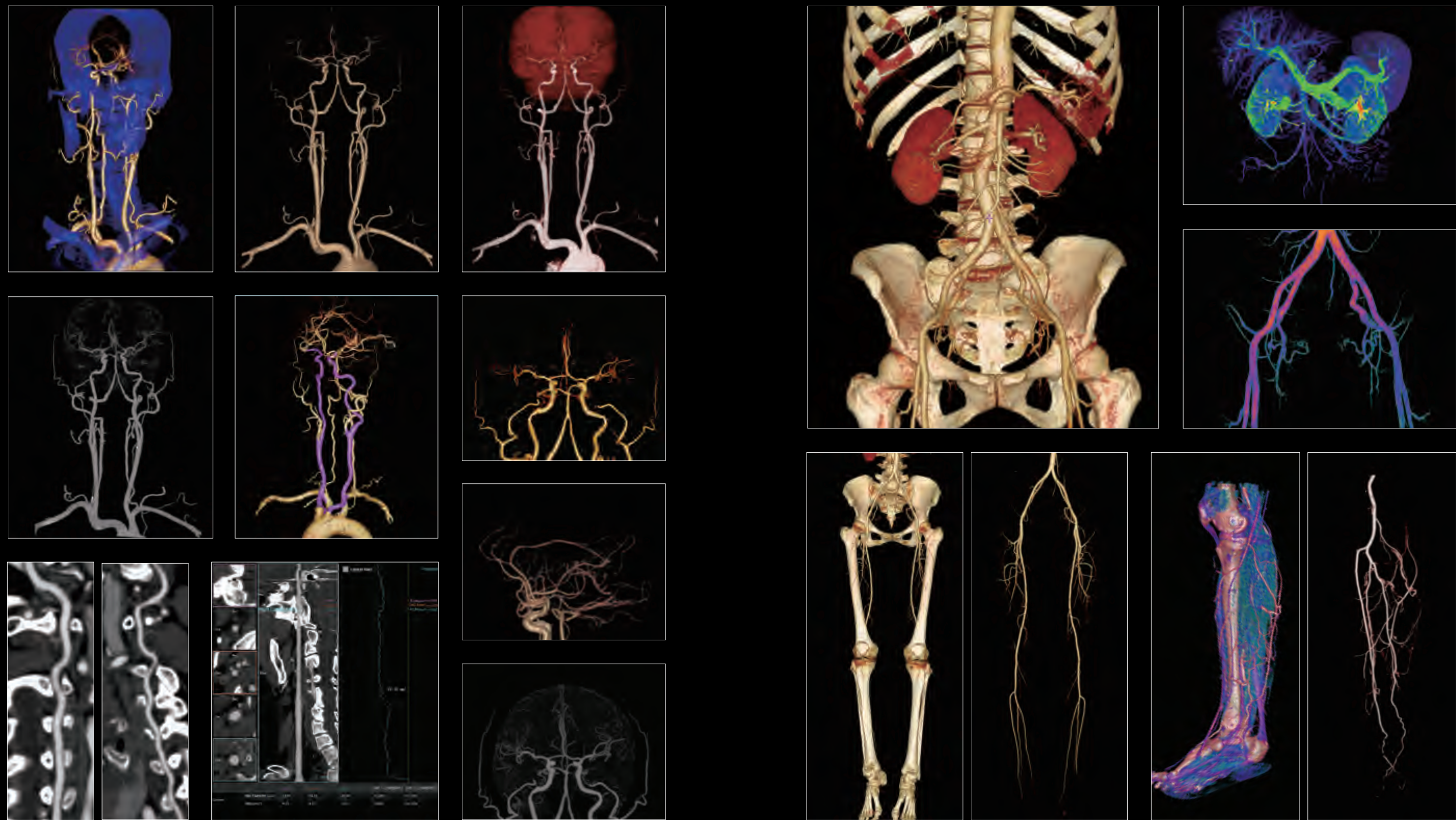
Advanced Application Platform

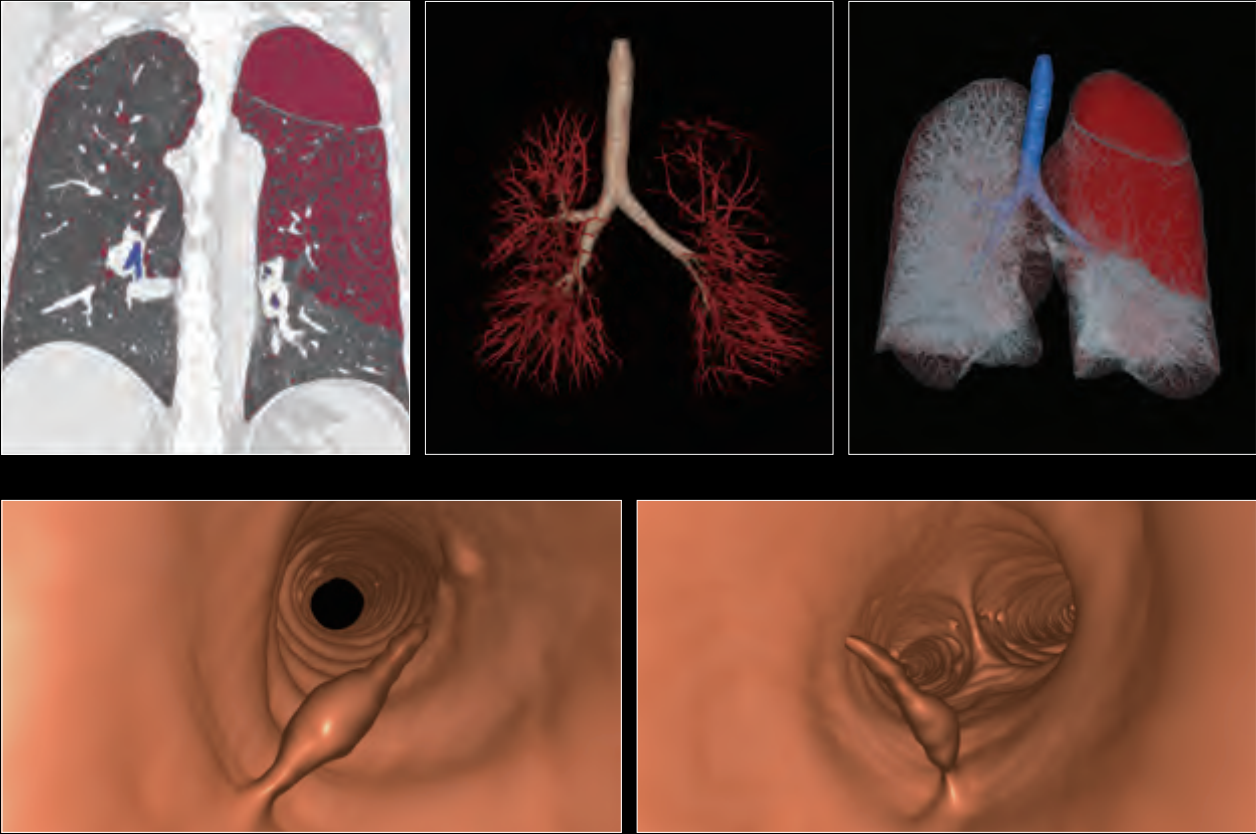
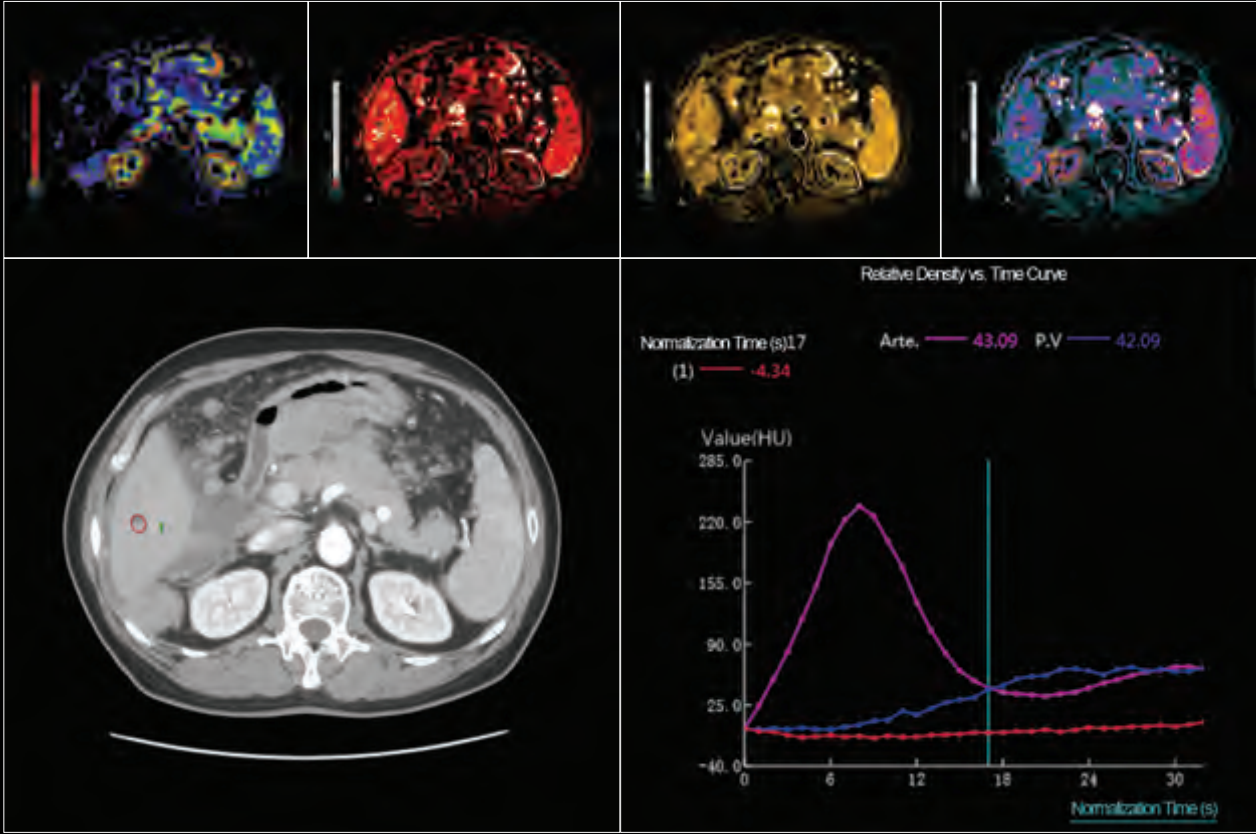
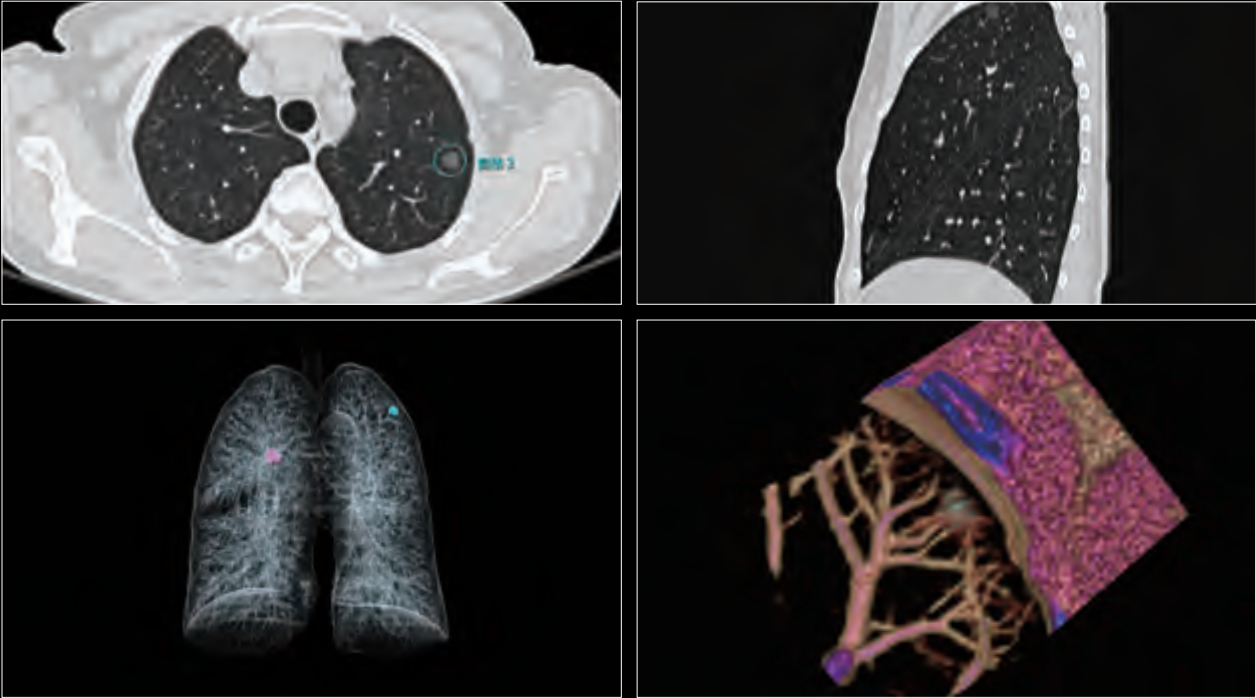
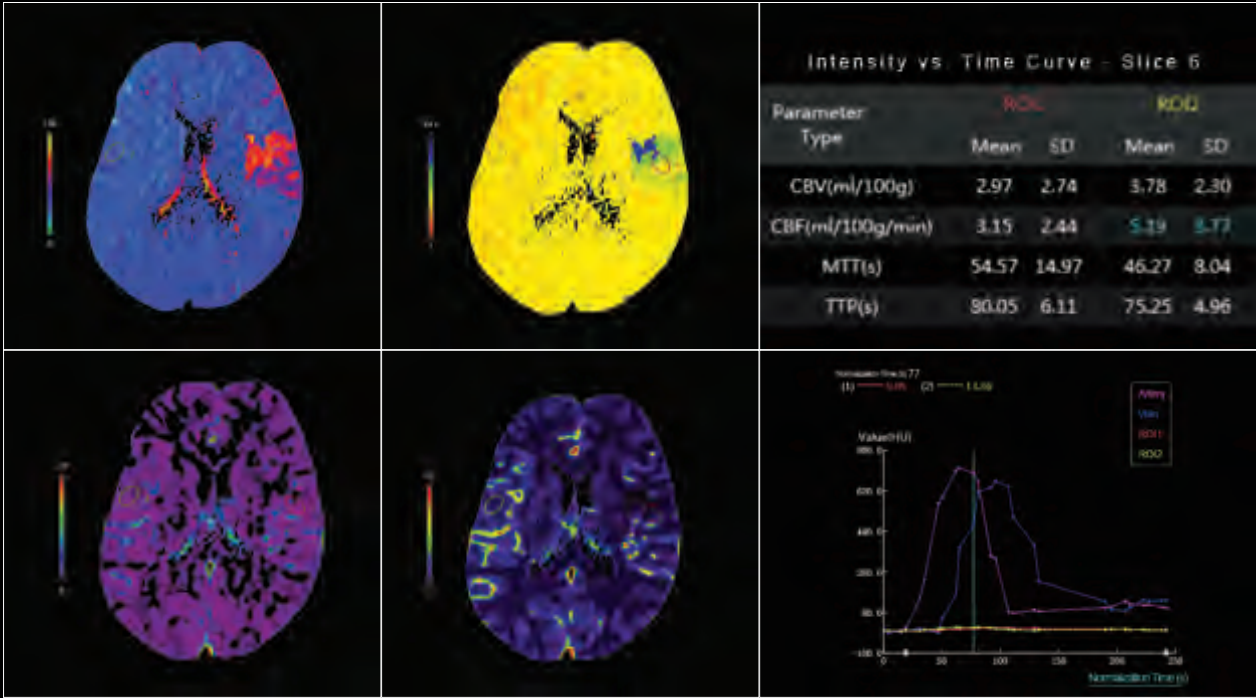
Intelligent and Precise Analysis

With comprehensive and accurate lesion analysis, the advanced application platform greatly improves the efficiency of post-processing.

Cardiac Images







"User in Mind" Design

Focusing on user experience, uCT 760 combines precise operation with a lightweight and artistic design. We bring aesthetic enjoyment and ease of use to the technology, delivering care, trust and respect through our design.



Streamlined patient table design



Wear-resistant buttons with an exquisite ceramic finishing



Extra-large touch screen for easier control

Aesthetic Pleasure

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

User-friendly Design

Our product design ultimately aims to deliver comfort, safety, efficiency, and ease-of-use. By applying ergonomic principles, we combine innovative design with perfect functionality in order to provide the best possible user experience, optimizing patient comfort during every examination.

Sophisticated Craftsmanship

Driven by the tenets of lightweight and precision design, we fine-tune every technological detail to embody the spirit of craftsmanship in every product.

Customer Care Solutions

- More Value-added Services Available

The continuity of any product lies in its service rendering. Aiming to provide exceptional and comprehensive customer care, we have transformed the traditional product-centric and technology-driven service portfolio into a value-added package of services focusing on customer success.

Improved Customer Experience

Guaranteed System Performance



VISION

To be a world-class medical equipment provider

MISSION

To improve healthcare on a global scale with affordable and advanced medical equipment



ABOUT UIH

Shanghai United Imaging Healthcare Co., Ltd. is a provider of high-end medical equipment and medical IT solutions. From our headquarters in Shanghai's Jiading district to our network of research and development centers throughout the world, our global mission is to provide medical institutions with a full-range of healthcare solutions, from diagnostic imaging and radiation therapy equipment to service, training, and medical IT. We are dedicated to expanding access to high-quality medical care and improving the value of our services.

With a passion for change and independent innovation, we always aim to meet your needs. Perceive More. Provide More. Access More. We Have A Passion for Change.



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