

RADON

MEDICAL IMAGING

PRODUCT OVERVIEW

UCT ATLAS

**UNITED
IMAGING** 



radonmedicalimaging.com

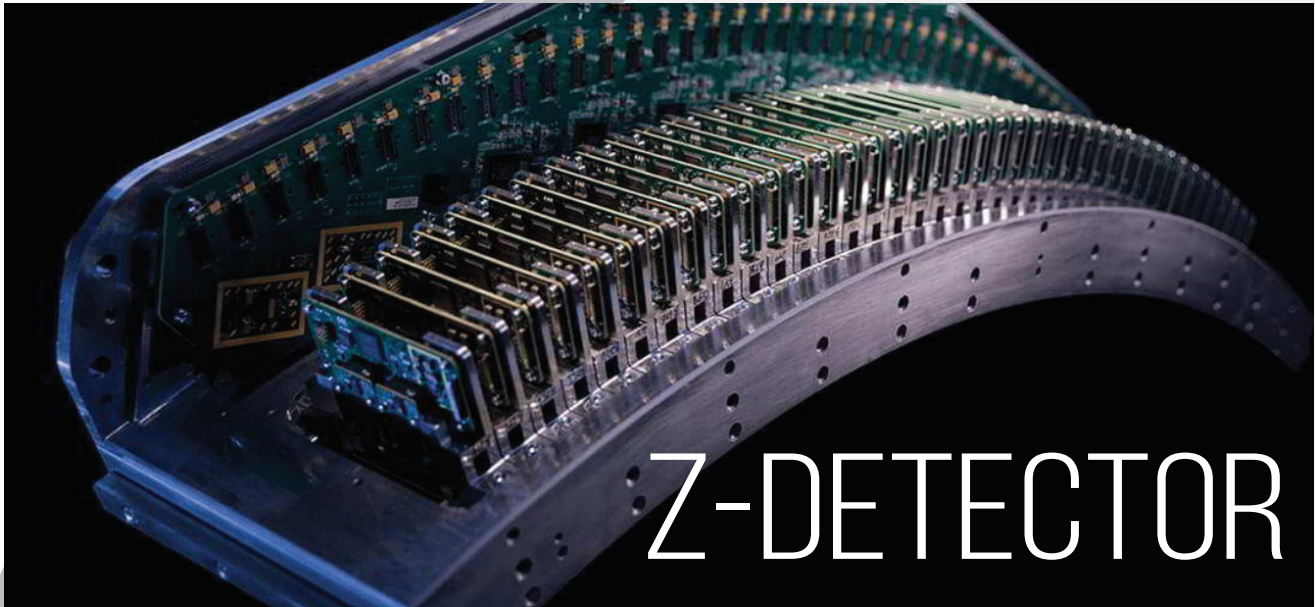
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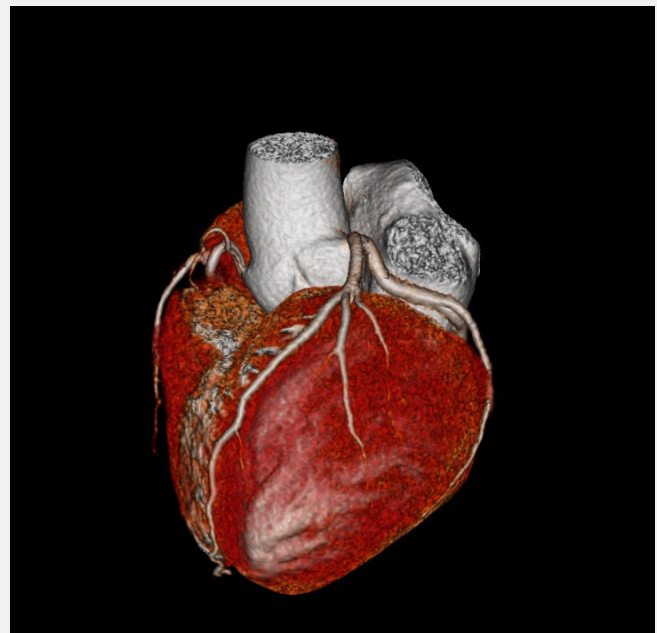
TECHNOLOGIES



The Z-Detector, designed with a fully integrated architecture and powered by through-silicon via (TSV) technology, shortens the signal transmission path from cm-level to μm -level. The outstanding denoising performance substantially improves the signal-to-noise ratio (SNR) and significantly enhances the capability to capture fine details within images.

MOTION-FREEZE CARDIAC IMAGING

The Multi-Phase Cardiac Imaging Technique catches every heartbeat in order to provide accurate cardiac imaging.



The integrated Vital Signal Module provides accurate and real-time acquisition of the ECG signal, as well as automated detection of arrhythmia and abnormality.



DEDICATION TO FINE CRAFTSMANSHIP AND QUALITY



United Imaging has a remarkable dedication to craftsmanship and quality. From every detail inside the scanner to the finished product, the uCT Atlas exudes fine craftsmanship and quality, which is evident in the stunning clinical images produced by the system.

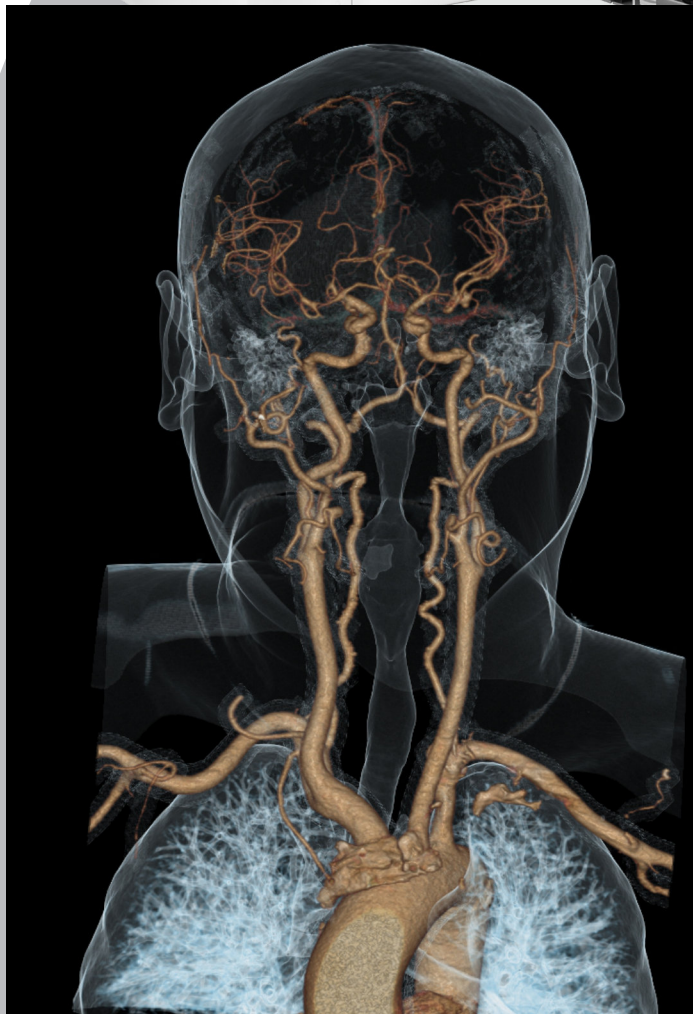
LOW-DOSE SCAN EXPERIENCE

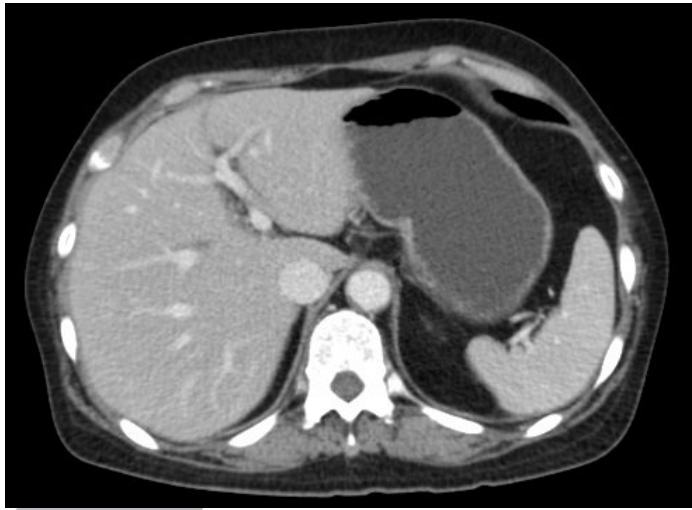
uDose Intelligent Tube Current Modulation

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

KARL 3D Iterative Denoising Technique

KARL 3D employs a generalized gradient descent iterative de-noising technique in both the projection and image spaces. It achieves excellent image quality at low dose levels.





16 cm coverage, 640-slice Z-detector

0.25 Second Rotation Speed

100 kW Power

82 cm Bore with $\pm 30^\circ$ Gantry Tilt

440 mm/s Table Speed



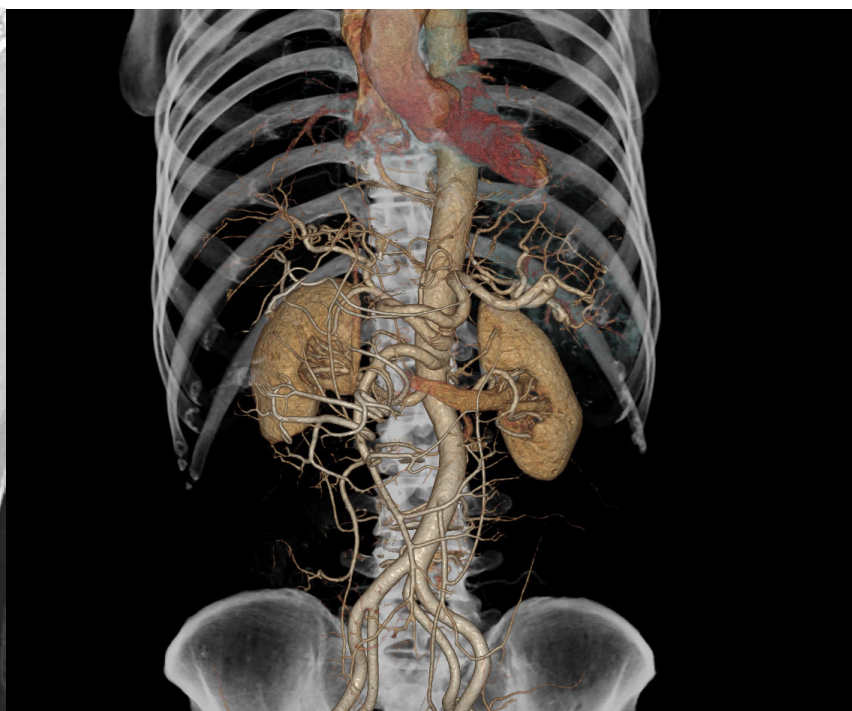
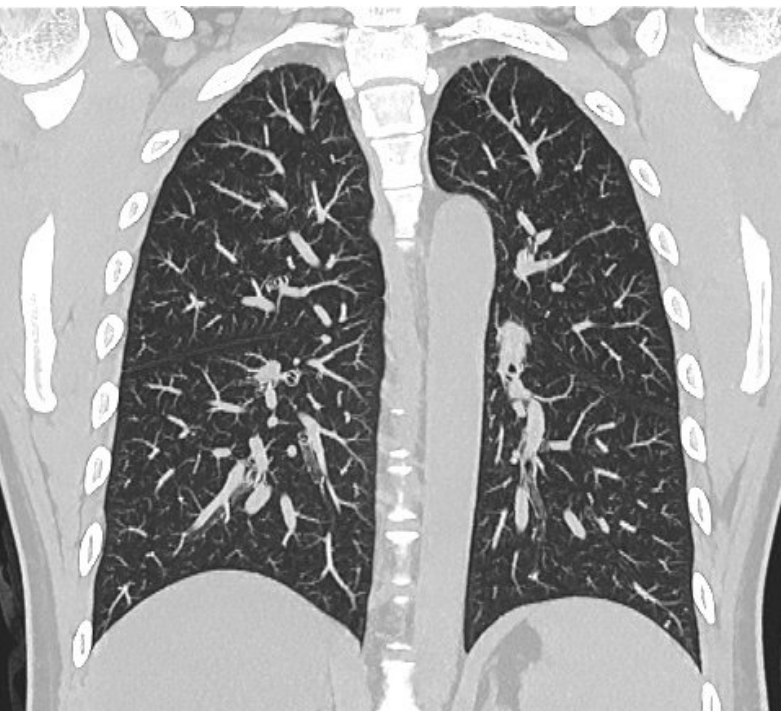
0.5 mm Detector Elements

30 MHU Heat Capacity

60 kVp, 70 kVp, 80 kVp,
100 kVp, 120 kVp, 140 kVp

700 lbs. Table Load Capacity

uAI-empowered Workflow





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