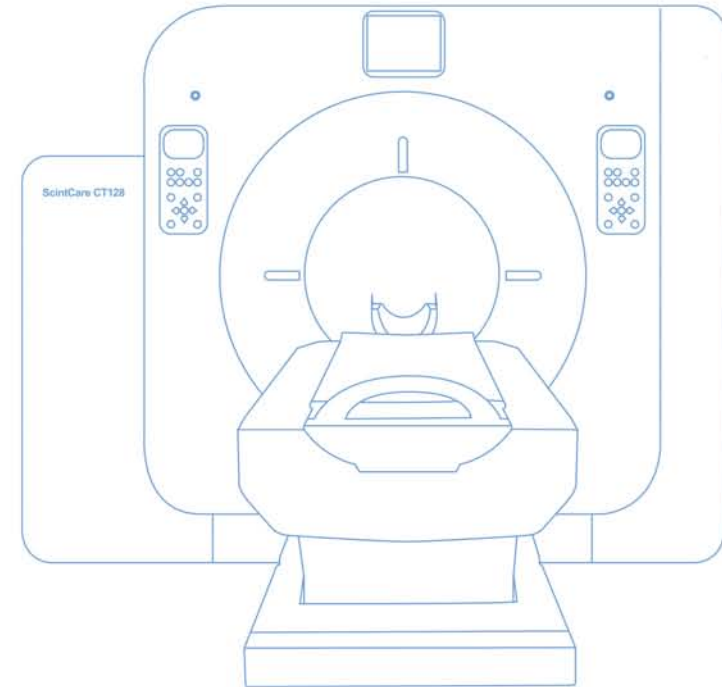




Compassion for Life



SCINTCARE CT 128

Empowers Acquiring High-Definition Images
with Less Radiation Dose.



The all-level-image optimization

Low-dose technology

Comprehensive clinical applications

Key Features

- ScintiStar Detector
- 3D-MAT
- NDI +
- ECG-Mod
- 1024X1024 Matrix

ScintiStar Detector

ScintCare CT 128 utilizes the state-of-the-art ScintiStar Detector which is well-known as one of the key component of a CT system.



The features of the versatile ScintiStar detector are:

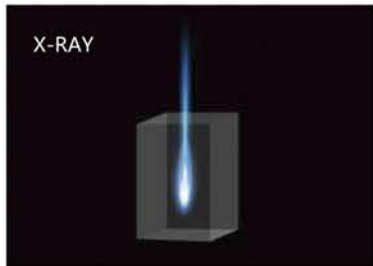
- Designed and developed by the top-notch scientist team
- Made of rare earth ceramic scintillator
- 64-row and 40mm width design





Q-Enhance Technology

Q-Enhance technology is realized by modifying the structure of material to increase the X-ray utilization fundamentally and therefore improves the image quality.



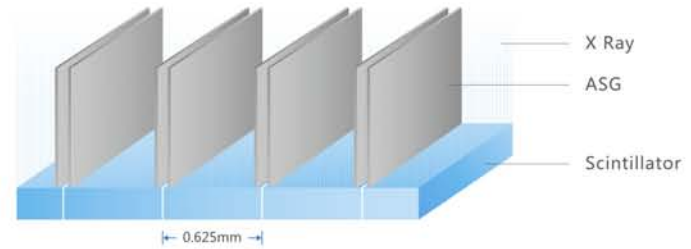
The high-precision cutting process makes the space between material 85µm only and meantime the inserted reflective material will reflect the visible lights effectively which not only prevents the signals of the parallel rows from interfering each other but also increase the X-ray transforming rate. These two features improve the geometrical efficiency up to 99% and display more details of the images.



DNR Engine

ScintCare CT 128 is equipped with 256-channel ASIC chip to transmit the signals to reduce the noise and increase the SNR.

256-channel ASIC chip features more efficient data processing capability with less digital noise to make the signal transmitting path faster and further to enable to display the basic anatomical information.



EAA Design

Other than the traditional ASG, each ASG used in ScintCare CT 128 is divided into two discrete grids which will prevent the grids from slanting effectively. The slant grid is usually caused by the temperature shift during operation which will lead to the artifacts eventually.



3D-MAT

3D-MAT enables the tube focal spot sampling information at the X-Y dimension and Z direction as well. The technology will be beneficial to more detailed information on the perspective of anatomical structure.

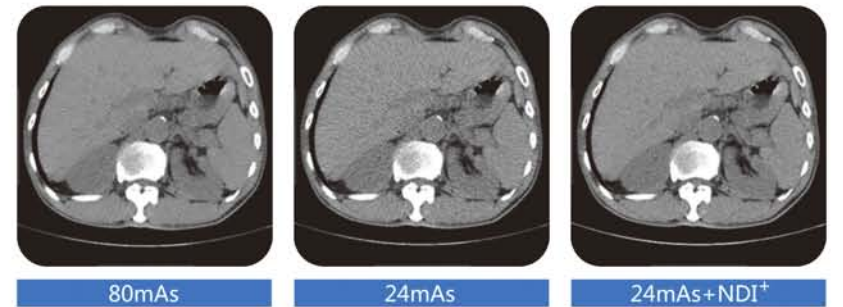
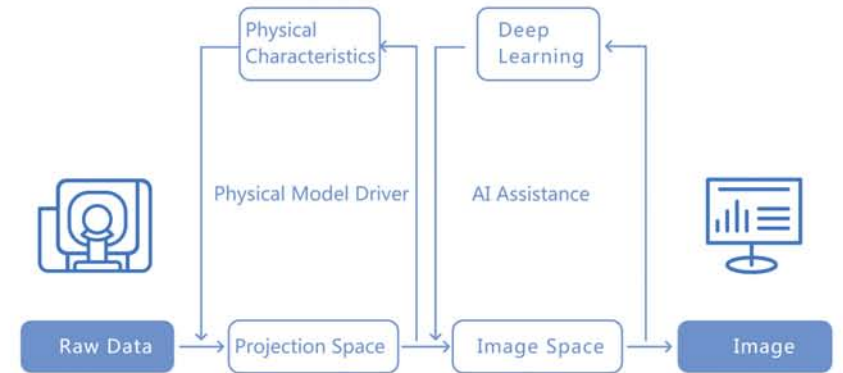




Low-dose Guard Health

NDI⁺

The raw data is iterated simultaneously in the projection space and the image space. The projection space iteration process integrates the physical characteristics of the X-tube and the detector, and the image space iteration process is based on the deep learning network of the anatomical structure. NDI⁺ guarantees the image quality at low dose.

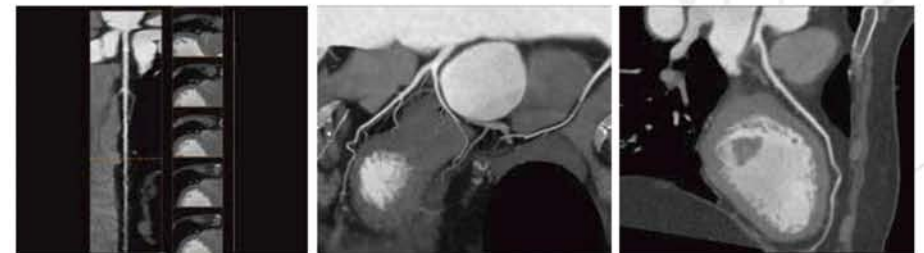
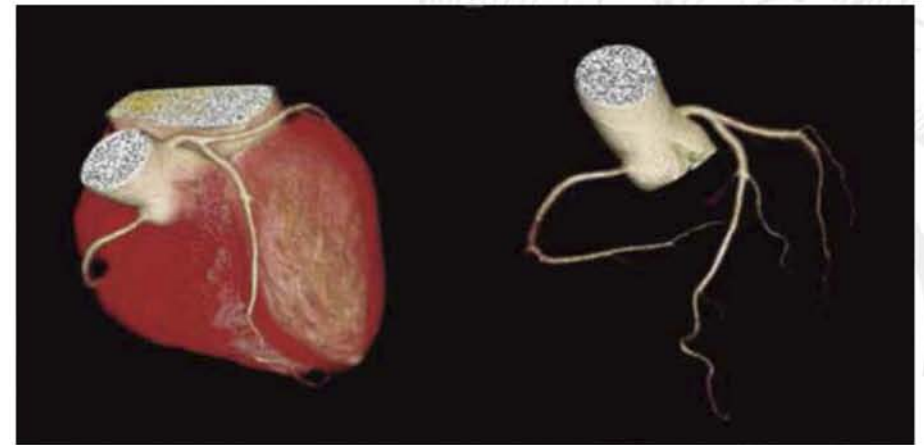


ECG-Mod Coronary Dose Adjustment

Through retrospective ECG gating technology and intelligent mA technology, the X-tube current during cardiac scanning is adaptively adjusted, and the radiation measurement is significantly reduced by 65%.



Coronary Artery Image



High Definition Image

