



Beyond Boundaries in Healthcare:
Pioneering the future with Medical Imaging

www.kuanteng.com info@kuanteng.com

400-848-6088

* The actual product shall prevail. All pictures in this manual are for reference only. *

Beijing R&D Center/Production Base

Address: Unit 701, Building No.7, Yongchang Industrial Park, No.3, Yongchang North Road, Beijing Economic and Technological Development Zone, Beijing
Tel.: +86-10-85718101
Fax: +86-10-85718102

Fuzhou R&D Center/Production Base

Address: 3rd Generation Semiconductor Digital Industrial Park, Xinyuan Road, High-tech District, Fuzhou, Fujian Province

Henan R&D Center/Production Base

Address: No.18, North Side of Yudongnan Avenue, Yudongnan High-tech Industrial Development Zone, Huangchuan County, Xinyang City, Henan Province

Liaoning R&D Center/Production Base

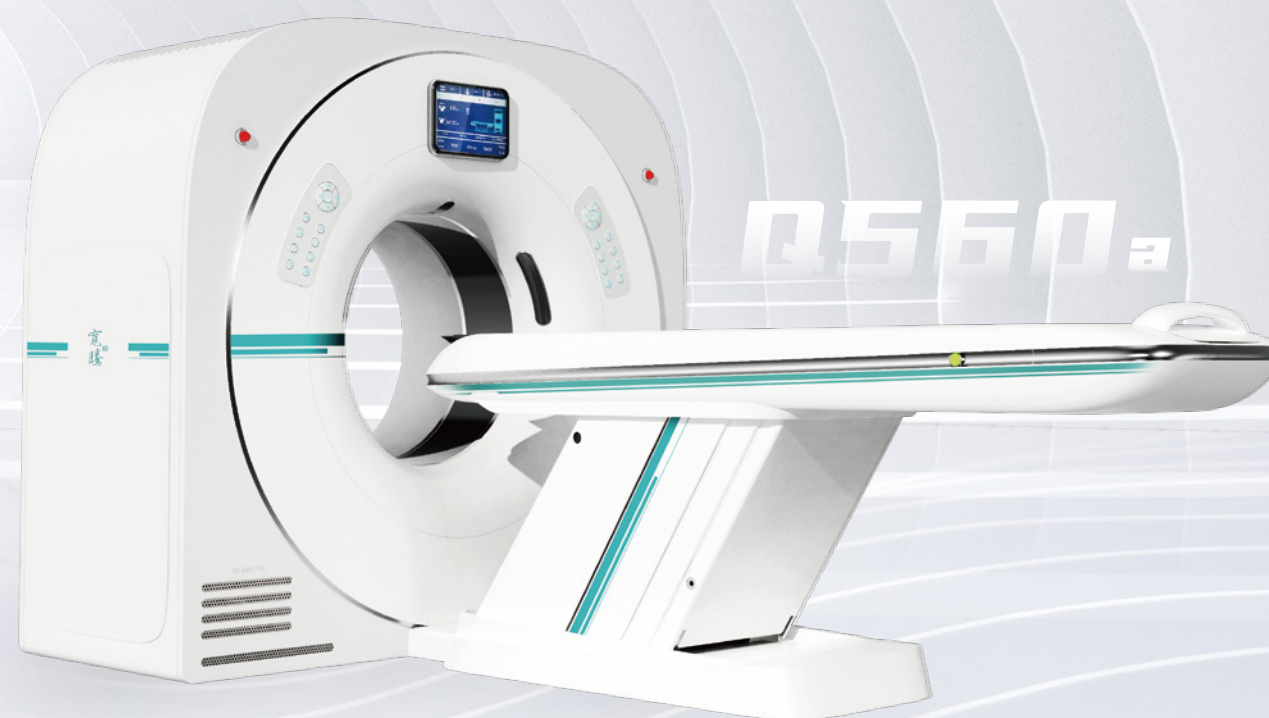
Address: Kuanteng Science & Technology Park, No.9, Yaodu Street, Economic and Technological Development Zone, Benxi, Liaoning
Tel.: +86-24-45555355
Fax: +86-24-45689287

Anhui R&D Center/Production Base

Address: Building No.4, Bengshan Intelligence Industrial Park, Yanshan Town, Bengshan District, Bengbu, Anhui Province

Quantum CT Q560a

Computed Tomography



寬騰  KUANTENG

High-end Image Chain Platform



Tube

Imported Varex 3.5M metal tube with original package
Powerful guarantee for the examination of all body parts
Up to 100s continuous exposure time



HV Generator

American Spellman 42KW HV generator
Five levels of peak voltage regulation
from 70KV~140KV
10~350mA output current meeting clinical demand

The detector is the “eye” of CT imaging equipment, which receives the X-rays with information and converts them into electric signals to obtain the images of human body. As the fundamental pixel point of the imaging information, the detector module determines the image clarity and contrast.



32-Row 32/64-Slices Detector

Self-developed 32-row aequilate Qinggang detector
Submillimeter slice thickness acquisition
All-round presentation of high-definition, fast and thin-slice images .

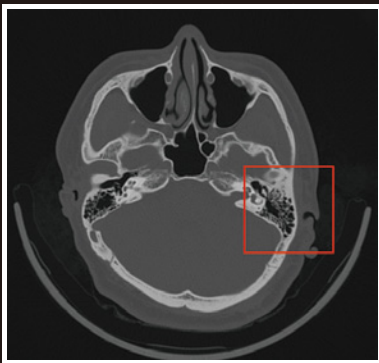
Reconstruction Speed

Fastest reconstruction speed in the industry
64f/s, “0 wait” for reconstruction
Saving examination time, improving diagnosis efficiency

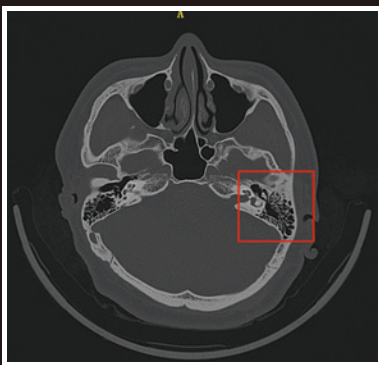
With 20mm width coverage, 0.625mm thinnest slice thickness and 784 detector modules, the integrated detector self-developed by Kuantum Medical adopts the crystal with the smallest volume and highest purity in the industry, which can accurately receives the X-ray information, improves the X-ray utilization rate, reduces the visual staying phenomenon and improves the image quality.

Latest High-Definition Imaging Technology

Equipped with 1024*1024 large matrix reconstruction imaging, the arrangement number of micron pixel imaging units can be up to four times that of conventional 512*512 reconstruction matrix, which can further improve the spatial resolution and density resolution of the image, and provide the data information of nearly restoring the real human anatomical structure.



512*512

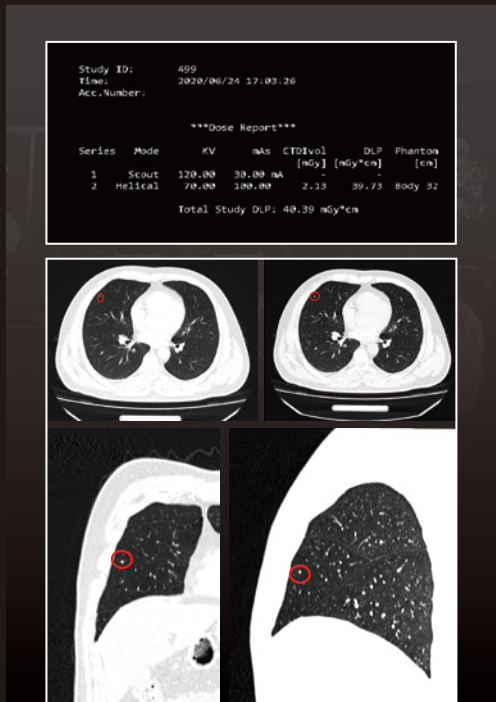


1024*1024



Green & Low Dose Scanning Technology

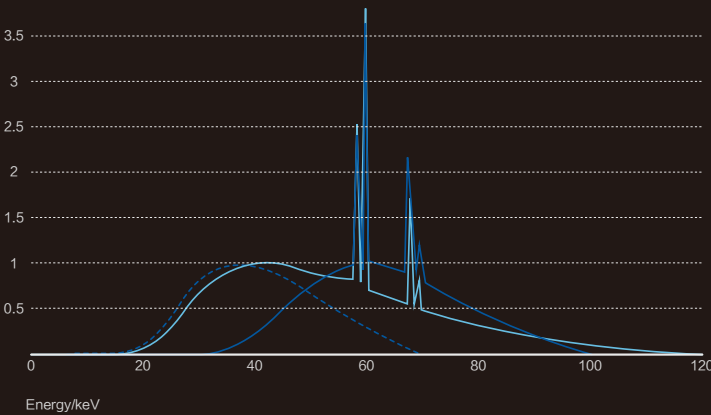
As the latest imaging product, Gan Ning Quantum CT Q560a is equipped with 70kV low dose scanning technology. Meanwhile, there is the auto-mA regulating technology during the scanning process to match the optimal kV and mA values from the perspective of radiography quality and quantity, and fundamentally reduce the radiation dose of the patients, which can meet the demand of clinical infants examination, adult low dose lung cancer screening, and routine examination of healthy people, making CT examination safer and greener.



70kV Low Dose Imaging

Spectrum Purification Care Technology

The product adopts the diversified quasi-energy spectrum purification X-ray filter device self-developed by Kuantem R&D team. There are totally five types of filters to fit the different patient body shapes. This can provide patients with the most suitable and best-matched collimation filter scanning, which greatly reduces the radiation damage, decreases the influence of useless rays on images, and improves the image quality.



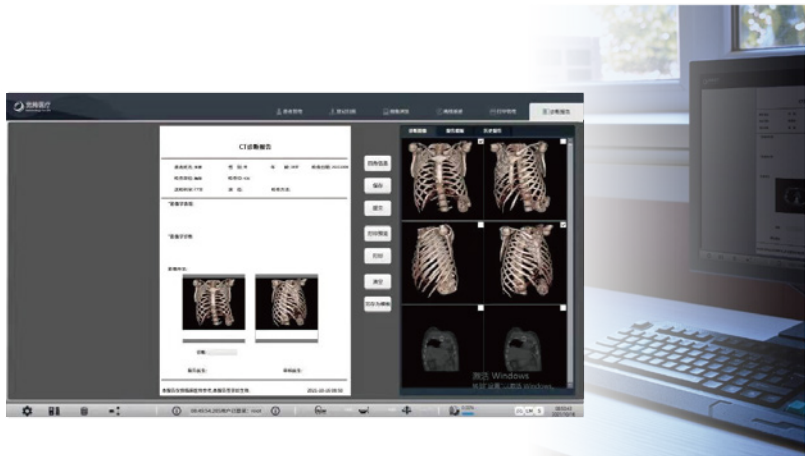
Multi-functional Diagnosis CT with Large Aperture



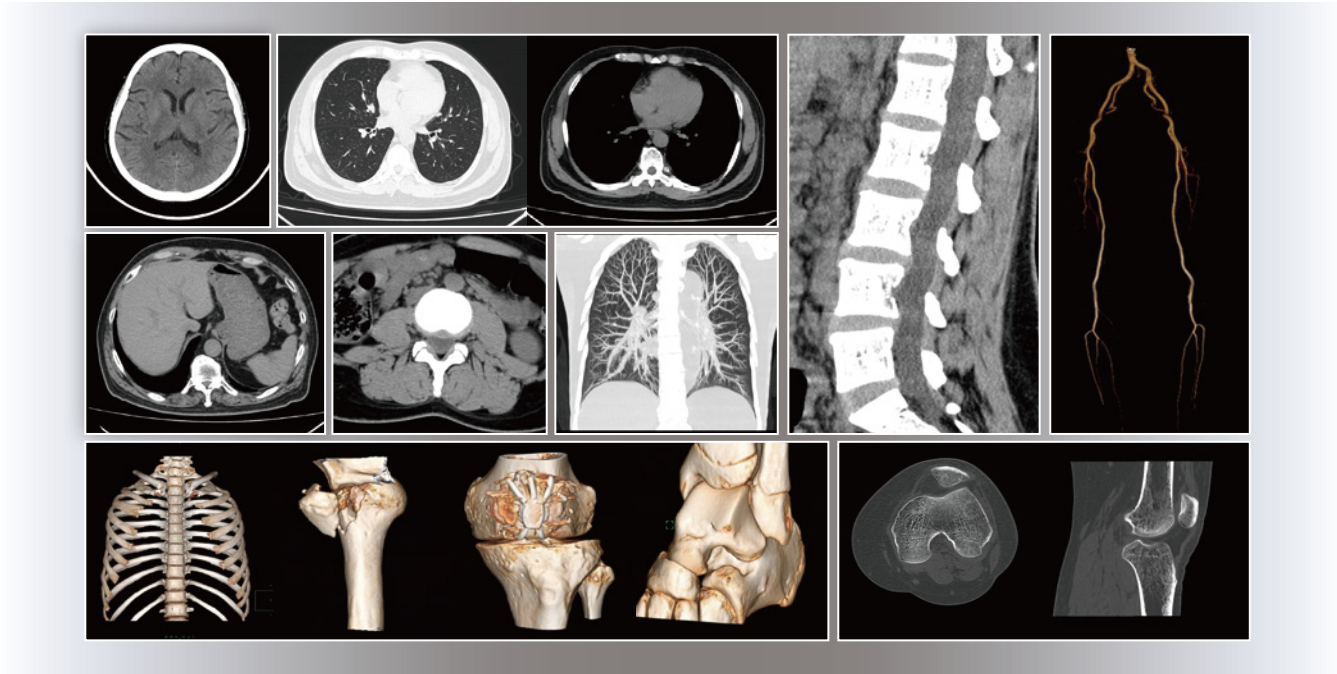
Gan Ning Quantum CT Q560a breaks through the technical limit and creates the 800mm oversized geometric aperture to provide more comfortable examination space for patients, which is suitable for the routine radiography diagnosis and the abnormal position scanning under all kinds of sudden/emergency circumstances.

Wizard Operation Flow, Concise Diagnosis Template

With Wizard UI and intelligent & humanized clinical Workflow, all function modules can switch flexibly and the operation flow is smooth and easy.



Full Coverage of 30+1 Clinical Applications



1. Application of Cerebral hemorrhage

2. Application of cerebral infarction screening

3. Application of cerebral aneurysm screening

4. Application of cerebral tumor screening

5. Application of skull trauma

6. Application of maxillofacial diagnosis

7. Application of paranasal sinus cavity

8. Application of cervical and lumbar vertebral fractures diagnosis

9. Application of Cervical and lumbar disc disease screening

10. Application of rib fracture diagnosis

11. Application of thoracic spine fracture diagnosis

12. Application of pulmonary nodule screening

13. Application of lung cancer diagnosis

14. Application of mediastinal tumor

15. Application of aortic aneurysm and dissecting aneurysm diagnosis

16. Application of pneumonia screening

17. Application of traumatic wet lung assessment

18. Application of hepatic cyst diagnosis

19. Application of liver cancer Phase III diagnosis

20. Application of differentiation and diagnosis of splenic tumors

21. Application of gallstone and cholecystitis diagnosis

22. Application of emergency pancreatitis screening diagnosis

23. Application of pancreatic cancer screening diagnosis

24. Application of urinary calculi diagnosis

25. Application of renal cell carcinoma diagnosis and differentiation

26. Application of adrenal gland disease screening

27. Application of appendicitis emergency screening

28. Application of limb fracture and tumor differentiation and diagnosis

29. Assessment of prosthesis implantation in plastic and aesthetic surgery

30. Application of surgical CT-guided puncture

+1 multi-functional auxiliary application

Full Coverage of 30+1 Clinical Applications