ANATOM 16 HD

Precision Technology Platform

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Insight Into life

ANKE

Precision Technology Platform
ANATOM 16 HD

Precision medicine is the emerging future of disease diagnosis, treatment and prevention based on individual patient information. Medical imaging technologies, which provide precise diagnosis information, are crucial parts in precision medicine.

Following the breakthroughs in the medical system development, Anke proudly introduces the creatively designed ANATOM16 HD, as a tool of precision medicine in diagnosis imaging. Via the breakthrough designs in precise hardware, software and imaging technologies, ANATOM 16 HD can provide precise diagnosis information and early detection for small lesions.

Seamlessly upgrade to meet your future needs

Anke takes full consideration of the increasing clinical requirements of your business in today's rapidly changing medical environment.

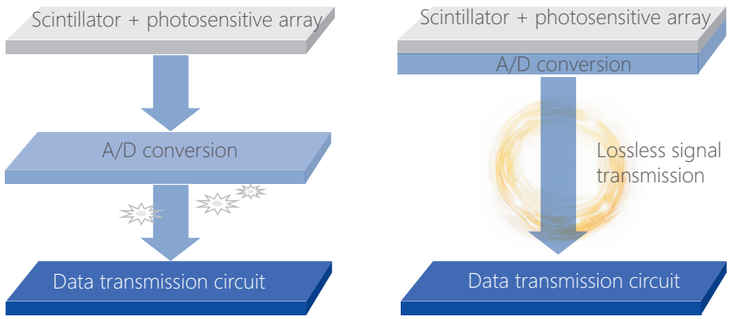
Precise hardware, Precise technology, Precise imaging

- OptiWave detector
- High precision gantry control
- Dual-mode gantry tilt
- Admir^{3D} iterative technology
- Dual-energy head imaging
- 1024 x1024 matrix imaging technology
- High-definition imaging of targeted organs
- Low dose platform
- 3D enhanced VR

Precision Technology Platform

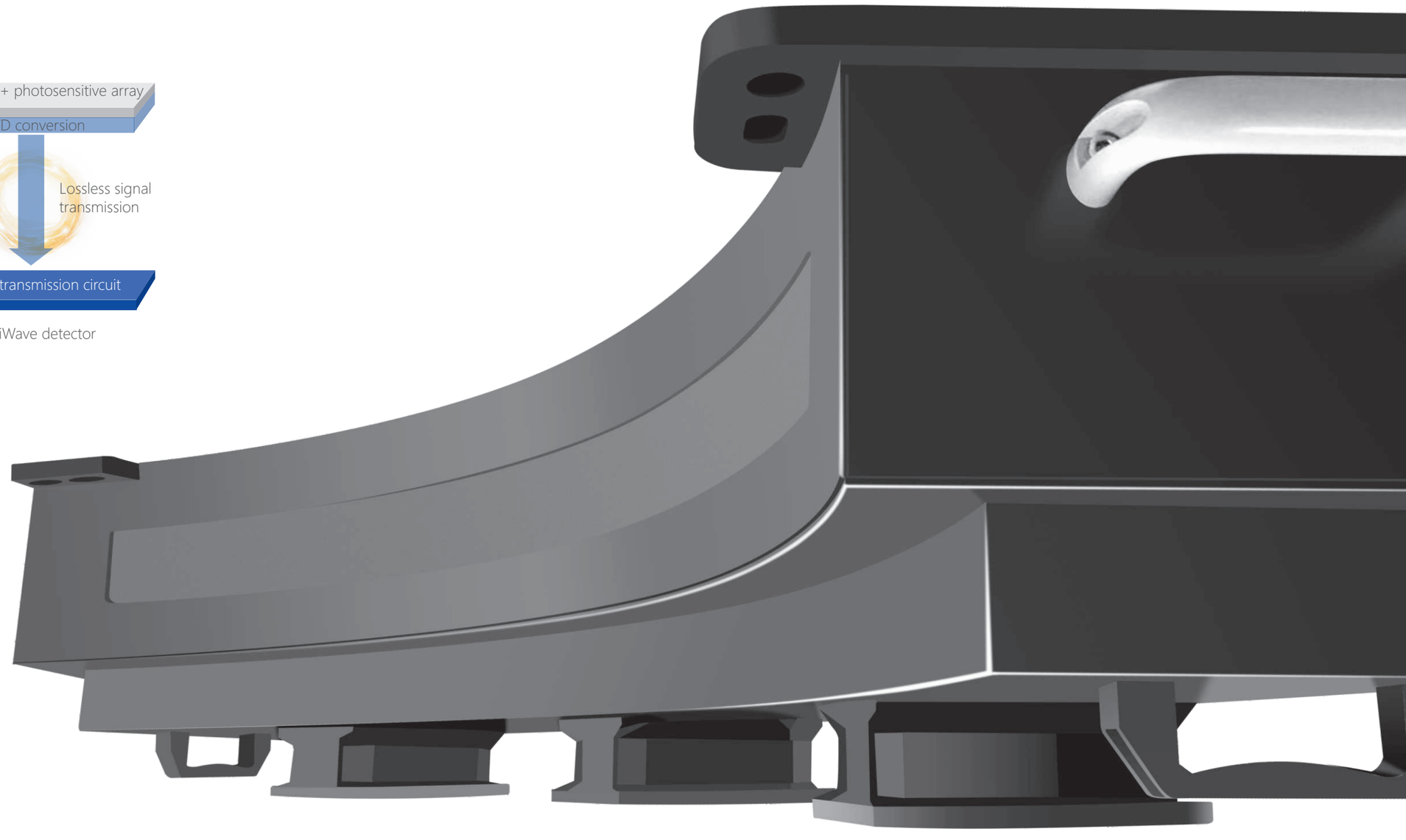
ANATOM precision technology platform is equipped with advanced imaging technologies, and adopts OptiWave detector, Ahead dual-energy imaging, Admir[3D] iterative reconstruction technology and AccuTilt dual-mode tilt gantry technology to provide powerful support for accurate diagnosis

OptiWave Detector



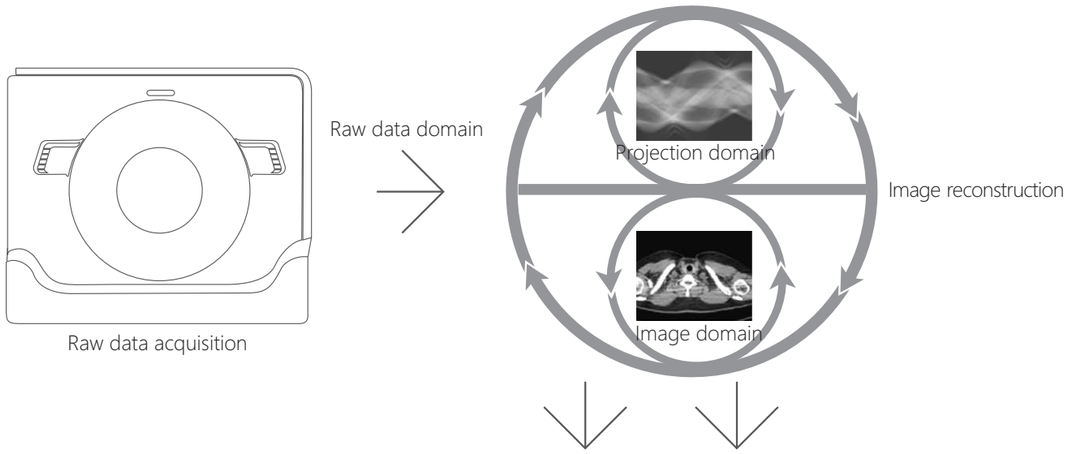
Conventional detector

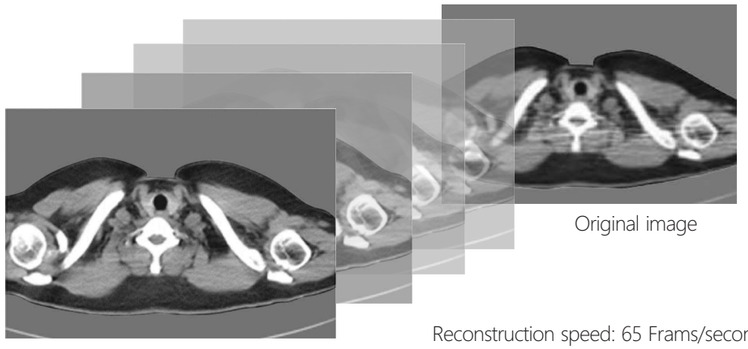
OptiWave detector



Admir[3D] iterative reconstruction technology

Admir[3D] applies mathematical and physics models to accurately construct and describe the signal's quantum characteristics. Iterative operations are performed in the three domains of raw data, projection and image, to greatly reduce the image noise and achieve optimal image quality with low dose.



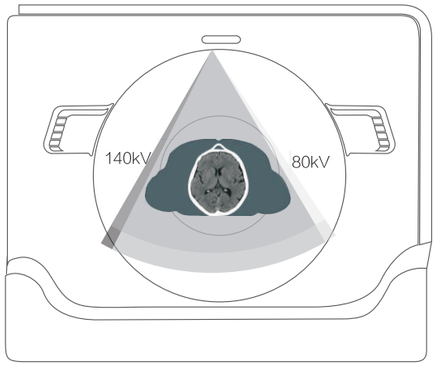


Reconstruction speed: 65 Frams/second

Note: the 65 fps is without Admir[3D]

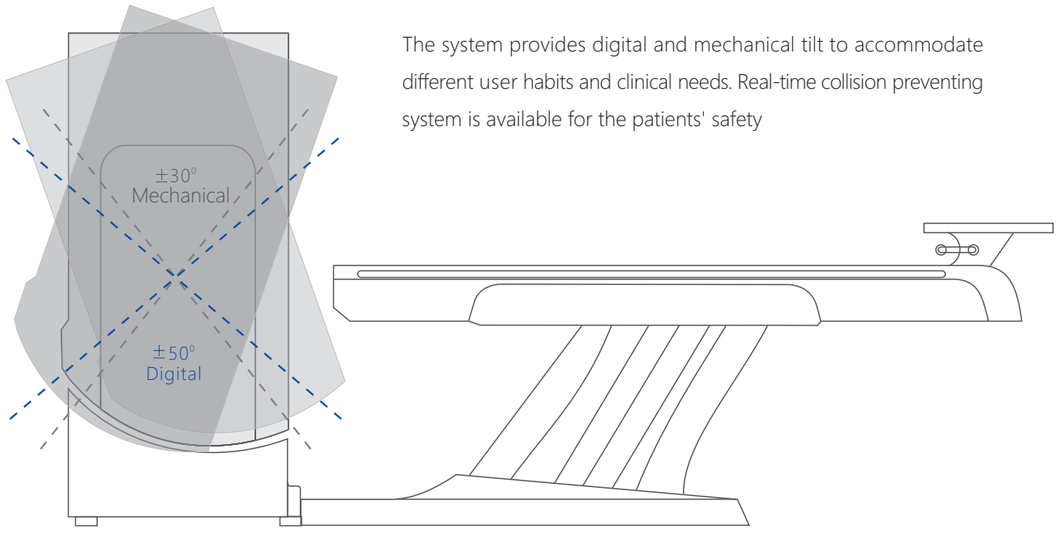
Ahead-Head dual-energy head imaging technology

Ahead creatively uses 140kV and 80kV dual energy switching scan mode for brain imaging. By careful analyzing the high and low energy characteristics, images can show more valuable information about the brain tissues.



AccuTilt dual-mode gantry tilt technology

The system provides digital and mechanical tilt to accommodate different user habits and clinical needs. Real-time collision preventing system is available for the patients' safety

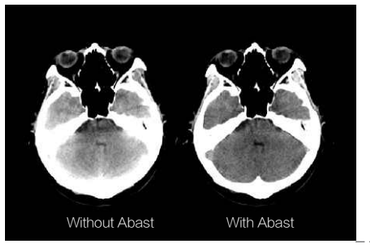


AccuOrgan-Targeted organ imaging

To achieve high precision imaging of each part of human body at low dose and low energy consumption

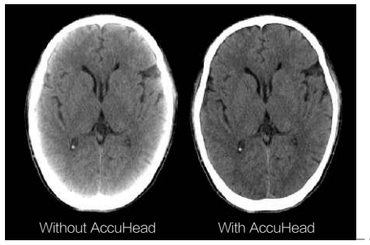
Abast-Bone artifact suppression technology

Abast eliminates the X-ray beam hardening effects to the cerebellum, brain stem and other parts of the brain and clearly shows the structure and leisions of the brain stem and cerebellum.



AccuHead-Gray & white matter enhancement technology

AccuHead technology is specifically designed for brain scans to improve the contrast between gray matter and white matter without sacrificing image quality.

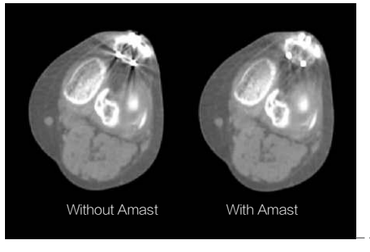


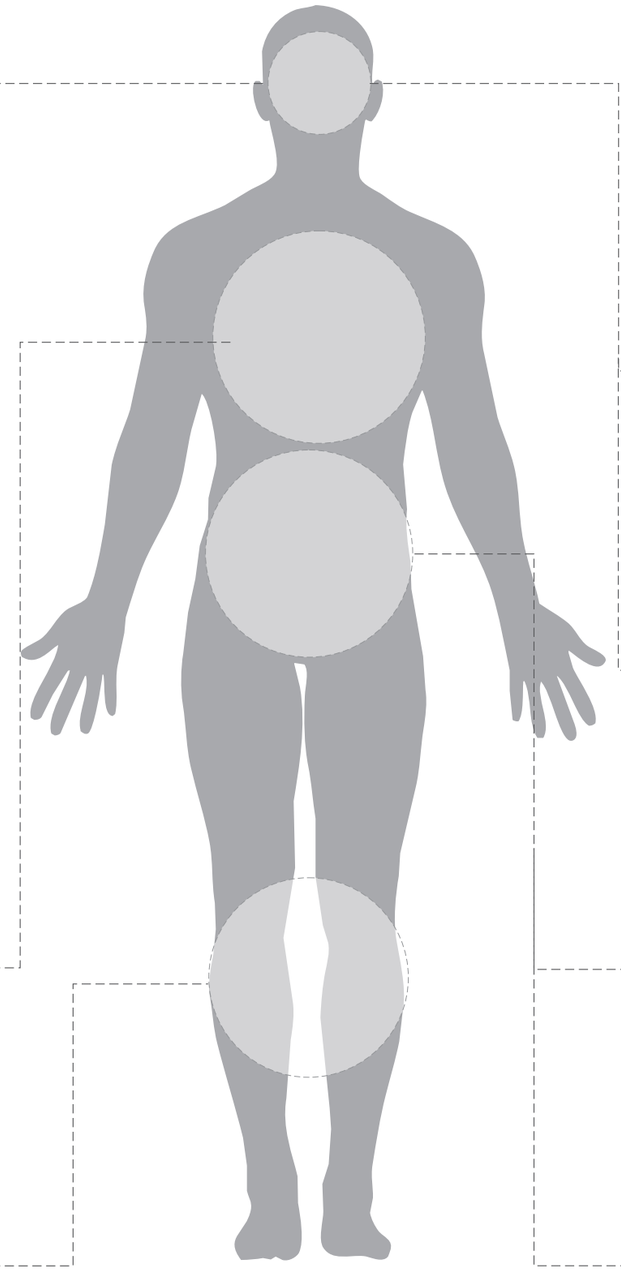
AccuOrgan-High resolution lung imaging

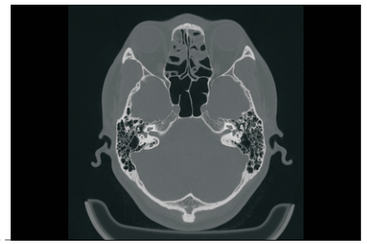
High resolution images of the lung can be obtained at only 30%~40% of conventional radiation dose

Amast-Metal artifact suppression

Dual-domain iteration is adopted to effectively remove metal artifacts and restore the soft tissue around the metal

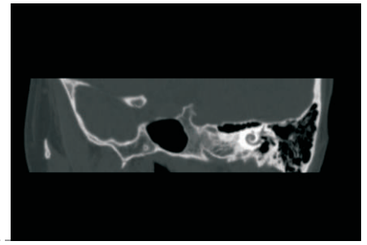






AccuImage-Microscopic imaging technology

1024x1024 matrix to display more details of the pathological changes and provide a reliable information for early detection, early diagnosis and early treatment of the diseases

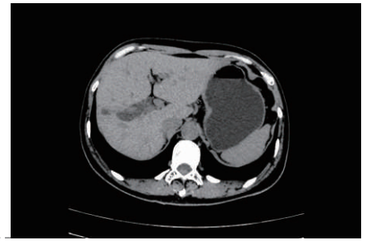


AccuOrgan-Inner ear imaging

Professional high resolution inner ear imaging clearly shows the cochlear vestibular, semicircular canals and other fine anatomical parts, ensuring detection rate of small lesions

AccuBone-High resolution bone imaging

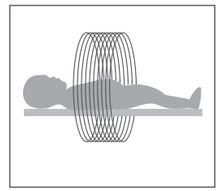
Enhanced bone edge contrast can provide accurate anatomic relationships and show early destruction and cyst of subchondral bone like lesions and articular cartilage calcifications



AccuOrgan-Body high resolution imaging

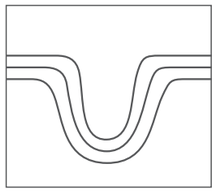
Combined with the AccuImage microscopic imaging technology, AccuOrgan technology can significantly increase the display of fine structure and morphology of the abdomen and provide more accurate images for the early diagnosis of small lesions

AccuDose-Comprehensive low dose imaging

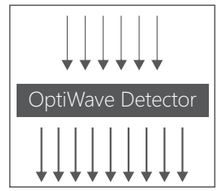


Pediatric Scan Protocol

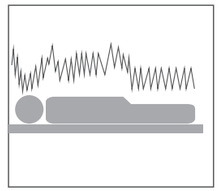
Individual Dose Monitoring



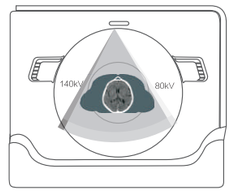
AccuShape Filter



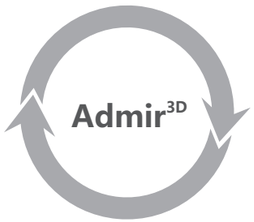
Efficient Detector



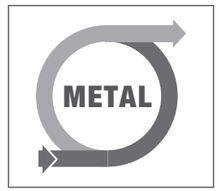
Adose Dose Modulation



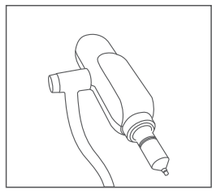
Ahead - Head Dual-energy Imaging



Iterative Reconstruction



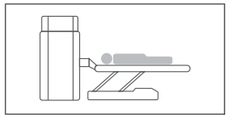
Amast



Contrast Agent Tracking Technology

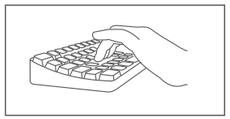
AccuScan-Enjoy ease

Convenient and efficient operation process greatly improve work efficiency to achieve high volume of patients



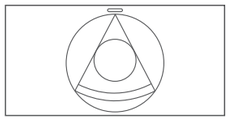
AccuOrientation

Preset intelligent placement procedures to enable one-button accurate patient positioning



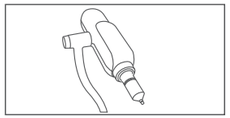
AccuEmergency

Skip patient registration for emergency scans to save time.



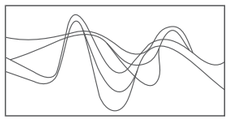
AccuScanning

Carefully designed default scan protocols help to get high quality images with ease.



AccuTracking

Automatic bolus tracking to trigger the scan for precise scan timing



AccuReconstruction

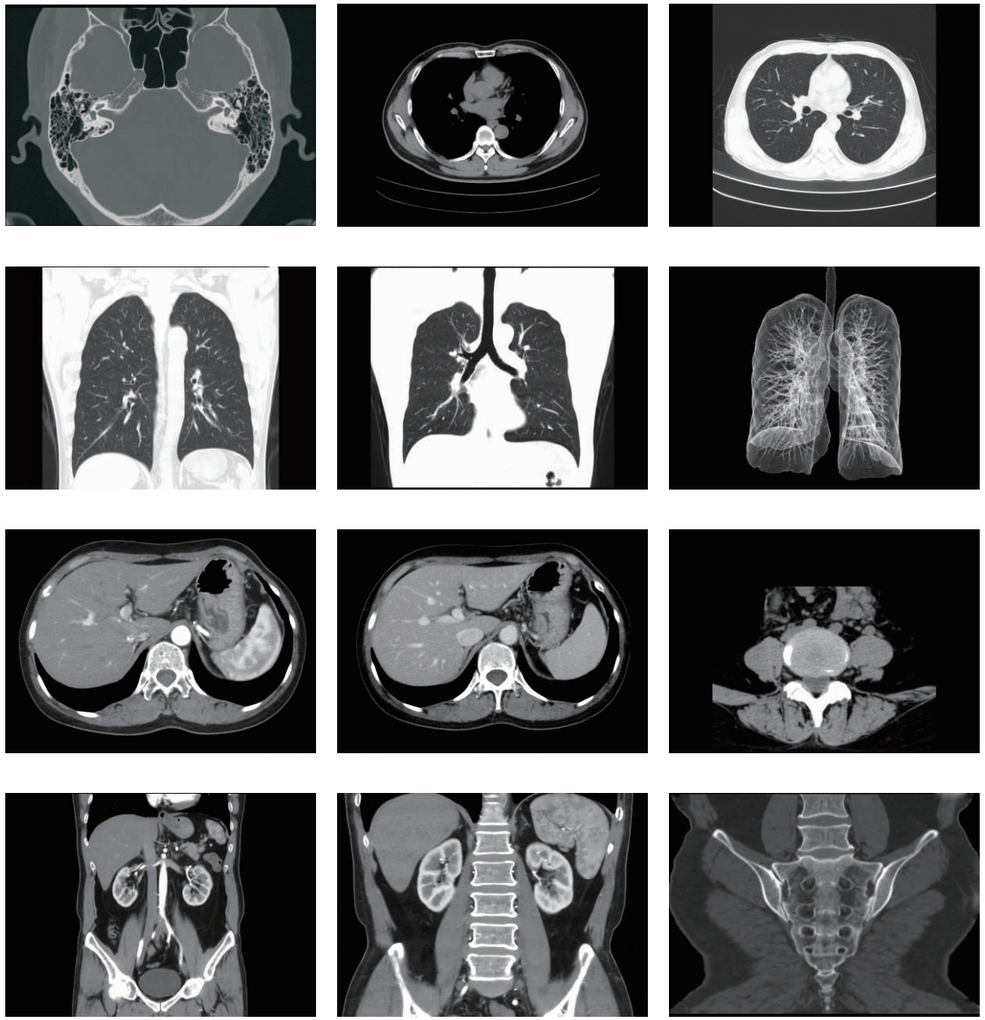
Up to 65 frms / sec real-time reconstruction

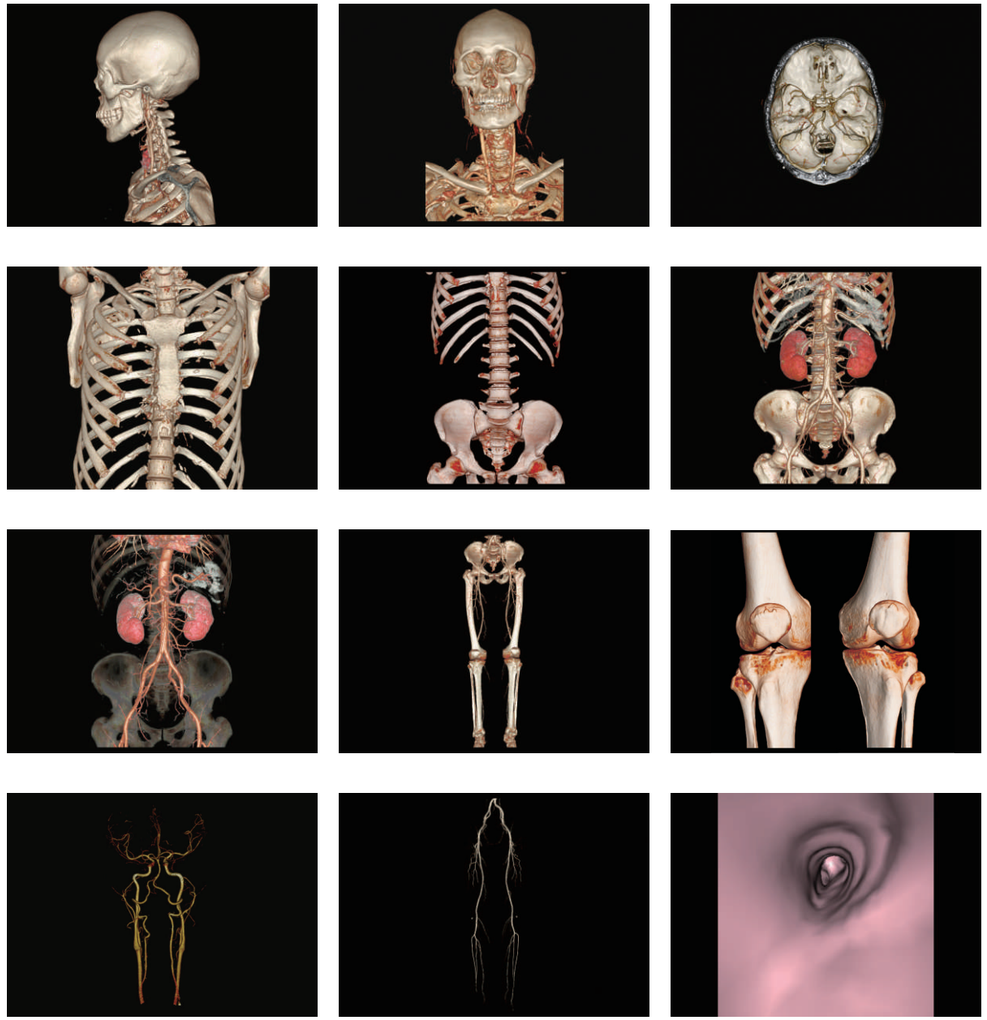
AccuPrinting

Intelligent typesetting and quick printing to save time

Clinical Applications

Fast, precise and low-dose imaging technologies provide a full range of clinical solutions to meet the current and future clinical diagnostic needs





AccuSaving
Green & Energy-saving

AccuSaving is an innovative energy saving technology. The system will enter the "dormant", which is a low carbon mode, after a certain idle time or per user's request. To bring the system back to working status is as easy as pushing a button. The system will also remind the user to perform necessary warm-up and calibration procedures, which are fully automated processes. AccuSaving technology can reduce operation and standby power consumption and save the electricity cost by 30% by adopting different operation modes in working and off hours

Intelligent segmented sleep

Low power consumption

Low heat dissipation

Service Innovation
Creating maximum value for customers

- Service Support within 24 Hours
- Local Service Partners
- On-line Service Support
- After-sales Maintenance Stations