

Aquilion® 32 CT

Speed for Diagnosis

The Aquilion 32 is twice as fast as a 16 detector row CT system and comes with workflow-enhancing software that delivers unsurpassed image quality, improved dose management and superior patient care. In 200 milliseconds, the gantry can rotate around a patient's entire body—a fast scanning capability that can effectively reduce image distortion of moving organs, such as the heart and lungs.

- Proprietary 32 detector row technology provides superior coverage with twice the speed and half the exposure time of 16 detector row systems
- 0.5 mm detector elements with 350 micron resolution for superior stent imaging—the industry's thinnest detectors improve accuracy and minimize artifacts
- Best low contrast resolution of 2 mm at 0.3% to differentiate between soft plaque and vessel walls at the lowest possible dose
- 32 mm of volume coverage for short breath-hold scanning
- 3D-CTA of the arterial vascular system—high-quality, three dimensional images of the entire heart and coronary arteries can be acquired without the use of a catheter
- 1.8 m scannable range accommodates whole body scanning of trauma patients without repositioning
- A fast rate of up to 16 images per second to provide rapid data access for diagnosis

Dose Reduction Technologies

SUREExposure™: Real-time exposure control with SUREExposure™ automatically adjusts radiation levels based upon each patient's size to reduce dose with no loss in image quality—providing a dose reduction of up to 40%.

SUREExposure™ Pediatric: Radiation dosage is automatically calculated based on the child's age and weight using the least amount of radiation possible.