

Canon

Aquilion *serve SP*



Ultra-Performance CT
Product Summary

Simply performs.

The Aquilion Serve SP, ultra-performance CT scanner is ready to support with high-quality, low-dose imaging, while increasing efficiency, consistency, and throughput.

- Intuitive, AI-assisted total workflow experience with INSTINX¹ new user interface to drive operational efficiencies with automated protocol setup, automated scanner workflow, remote scan support, zero-click post-processing and AI-assisted patient triage.
- Integrated AI-trained, Deep Learning Reconstructions that enhance clinical confidence with Image Quality and Dose Reduction.
- Ultra-low dose CT Lung Cancer Screening optimized by SilverBeam in combination with AiCE DLR.
- Patient centric gantry sets new standards in efficiency and consistency while contributing to work satisfaction, time savings and flexible allocation of resources.
- The Aquilion Serve SP is designed to meet all your clinical needs.



Boost Clinical Confidence

- Sharp, clear and distinct images, enabled by AiCE Deep Learning Reconstruction
- Image patients from pediatric to bariatric
- Scan multiple anatomical areas with one breath hold and one injection⁵



Workflow Redesigned

- Reduce time and ensure consistent results with INSTINX¹ workflow
- 40% reduction in workflow steps with automated INSTINX workflow
- 97%² accuracy in scan range planning with Anatomic Landmark Detection (ALD)



Maximize Your Investment

- Ready to scan on Day One with easy to learn automated workflows
- Image more patients faster
- Installs in most existing CT rooms, avoiding costly renovations

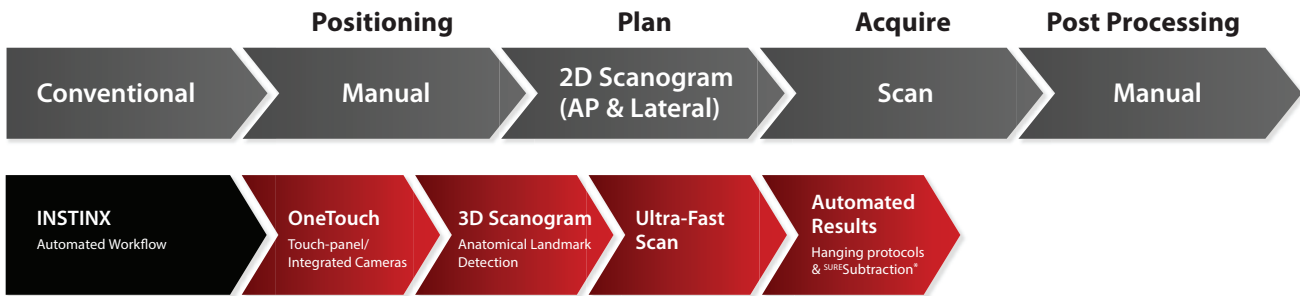
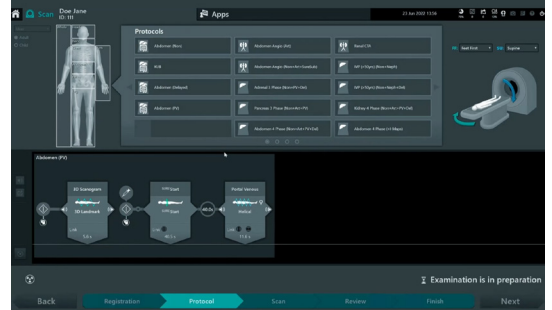
Insights Easier with Automation

INSTINX – End-to-End, AI-Assisted Total Workflow Experience

A new workflow experience and patient centric gantry design that provides easy and safe patient positioning, quick scan planning and more consistency between operators regardless of experience.

Featuring:

- Compact scan control system with immersive 27-inch 4K monitor for precision and clarity.
- Scan with confidence starting on day one, with simplified and intelligent end-to-end workflow tools that improve consistency.
- Low-dose, 3D Landmark Scan enabling robust Anatomical Landmark Detection (ALD) technology.
- Intuitive, efficient, faster patient throughput and streamlined experience that saves time and improves consistency between technologist.



Aquilion Serve SP			
Simply performs.	Detector (^{PURE} Vision)	Slices	80 / 160* with coneXact
		Coverage	40 mm z-axis coverage
	Gantry	Rotation Time	035 s
		Bore size	80 cm
	Generator	Power	72 kW
	Scanning	kV Selection	80, 100, 120, 135 kV
		SilverBeam	3D Landmark Scan Ultra-low dose CT Lung Cancer Screening
	Reconstruction	FOV / eFOV	50 / eFOV 80 cm*
		Deep Learning Reconstruction	AiCE
	Reconstruction Speed	Helical	Up to 70 fps*
	Image Quality	Spatial Resolution	16.5 lp/cm at MTF 2% ⁴ 11.5 lp/cm at MTF 50% ⁴
	Workflow Automation	INSTINX End-to-End, AI-Assisted, Total Workflow Experience	3D Landmark Scan Anatomical Landmark Detection Automated Hanging Layout Gantry Touch Panel Controls Built-in Camera
		SURE Technologies	^{SURE} Position, ^{SURE} kV, ^{SURE} Subtraction*, ^{SURE} Start, ^{SURE} Exposure 3D, ^{SURE} Cardio*, ^{SURE} Subtraction*, ^{SURE} Fluoro*
	Patient Couch	Couch/Table Load	315 kg, 694 lbs ³
Lateral Table Movement		17 cm (8.5 cm left or right)*	
Installation	Space	Scan Room 14.8 m ² (3)	

* Option

¹ INSTINX is available on the Aquilion Serve SP

² Based on an ALD evaluation of 240 3D Landmark scans (40 Head, 200 Body) 3D landmark scan data. Cases in which the relevant anatomic landmark(s) were not present (9) were excluded. 97% accuracy is based on results within +/- 1cm of target start, end, and FOV position, confirmed by two experienced CT Technologists.

³ Depending on system configuration

⁴ For reference

⁵ Optimization of injected dose is only recommended within the dosing ranges that appear in approved drug labeling.

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