

System specifications

CT13/14 – Canon Aquilion Prime SP – Relocatable

SYSTEM INFORMATION	
Manufacturer and model	Canon Aquilion Prime SP
Number of slices	160 slices
Air or water cooling	Air-cooled
YOM	2021
GANTRY AND DETECTOR	
Gantry aperture	78 cm.
Detector model	PUREViSION Optics & PUREViSION Detector
Minimum Rotation time	0.35 s
GENERATOR & TUBE INFORMATION	
Tube model	7.5MHU Megacool
Generator	72KW
KV settings	80, 100, 120 and 135KV
Ma settings	10 – 600 Ma
IMAGE QUALITY & DOSE MANAGEMENT	
AiCE-i	Advanced Intelligent Clear-IQ Engine Integrated – High Quality CT Reconstruction for Optimal Diagnosis
Dose Reduction	Adaptive Iterative Dose Reduction 3D, SUREExposure 3D Adaptive, SUREKV, SUREstart Bolus Triggering, Active Collimation
Dose Monitoring & Notifications	IHE dose reporting, CTDI & DLP Pre & Post Scan, Dose Check & Notification, DICOM 3.0 Dose Summaries
Metal Artifact Reduction	SEMAR – Single Energy Metal Artifact Reduction
Fluoroscopy	Ceiling Mounted Fluro Monitor
CARDIAC	
Cardiac Acquisition & Reconstruction	Cardiac & Recon Package including SURECardio & PhaseXact
ECG Trigger Monitor	Huntleigh LP110 with rolling floor pedestal
PATIENT TABLE	
Max table load	220 kg.
Scannable length	1,800 mm.
Patient couch width	470 mm.
Table minimum height	33 cm.
Lateral couch movement	+/- 4.2 cm

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OPERATOR CONSOLE	
Additional console	Scan Console – Patient Data Entry & Scanning Display Console – Review, Post Processing & Data Manipulation. (Scan & Display Console are independent but share Databases)
Recon speed	InstaView - 50 Images per Second with 'real time' display
Patient monitoring	Patient CCTV installed
INJECTOR	
Manufacturer and model	Medrad Stellant
Model no.	85937286
CONNECTIVITY & SUPPORT	
VPN/Firewall	VISBION CUBE
HIS/RIS & PACS	Easy Integration for full DICOM connectivity (via VISBION CUBE)
Remote Support	Canon 'Innervision' Remote Support with OEM Service Contract
WORKSTATION	
Vitrea CT Workstation	HP Z4 Workstation with EATON UPS
Monitor	EIZO Radiforce 24" Medical Display
Vitrea Software	Multi-Modality Viewer, Spectral Fusion Viewer, Peripheral Vessel Probe, Global Illumination
Vitrea CT Software Package	Circle of Willis, Abdominal Analysis, Cartoid, Vascular Aorta, Larynx Airway, Muscoskeletal, Renal, Urogram, Runoff, Cardiac V-Score Calcium Scoring, Cardiac Analysis, Cardiac Functional Analysis, Lung Nodule Analysis, Lung Density Analysis, Colon Analysis, Image Denoising
Vitrea MR Software Package	Brain Tumour, Vascular Analysis, Abdominal Analysis, Muscoskeletal, Stitching
ACCESSORIES	
	Carbon fibre head rest with positioning pads & bands, Carbon fibre arm support, Drip Stand, Body Mat & Bands, Knee Support wedge, Mattress Protector