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Easier operation with Auto-tracking

Automated operation such as Auto-tracking shortens the operation regardless of the patient's position. Auto-tracking function reduces workflow steps by half compared to the conventional manual tracking.



Manual tracking (General)	Auto tracking (Samsung)
Step 1 Tilt up a Tube	Step 1 Tilt up a Tube
Step 2 Move a detector tray to the side	Step 2 Activate auto-tracking
Step 3 Check the center position	
Step 4 Try again 2 and 3 until the tube and detector are aligned	

S-Vue

Samsung's next-generation S-Vue imaging engine delivers high-resolution images through advanced processing and adaptive filtering and provides enhanced image contrast and sharpness.



Improved image sharpness and clarity	Ensured image reliability	Great depth and range of image
 <p>Thick and thin parts including overlapping areas and contours are clearly displayed.</p>	 <p>Regions of interest with implants and bone overlaps display sharply without artifacts.</p>	 <p>Clarified region of interest contrast allows a single clear view of bones and tissues.</p>

Results may vary depending on individual use.

S-Detector

Wireless, lightweight S-Detector displays the patient's anatomical structure clearly with high Detective Quantum Efficiency (DQE). The efficiency of radiation and spatial resolution are improved compared to previous indirect type detectors, reducing radiation needed to ensure high image quality.



Quick acquisition time

Preview and acquisition take less than 3 seconds, and full acquisition less than 10 seconds. It is easy to shoot multiple images after checking the preview image.



Image acquisition time may vary according to the image processing parameters and detectors.

Foot Sensor

An operator can control the 4-way tabletop with a convenient foot sensor. The table features 4-way or 6-way movement with a ± 500 mm longitudinal range and transverse ± 125 mm range for fast and precise positioning.



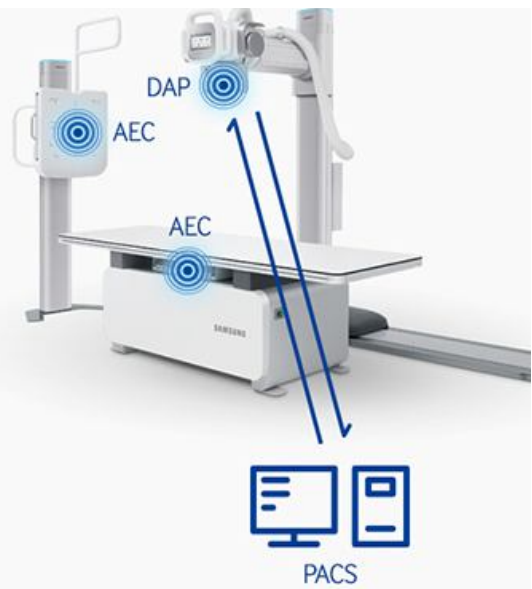
Intuitive User Interface

The workstation's intuitive interface enables users to easily operate the system. Anatomical Programmed Radiography (APR) selects the appropriate imaging method for the areas being imaged to help ensure quick examinations.



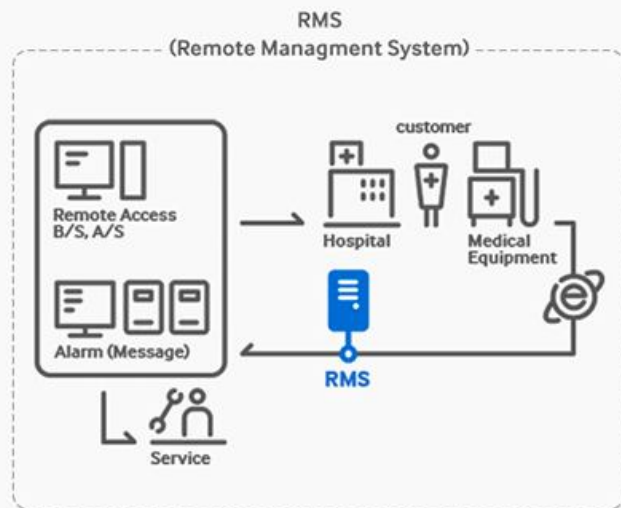
Dose management

GF50 minimizes excessive radiation exposure with an auto sensor and by sending various shooting condition data such as Auto Exposure Control (AEC) and X-ray dose information measured by the Dose Area Product (DAP).



RMS

Remote Management System (RMS) enables continuous monitoring of system errors, along with auto-diagnosis of the system and software version.



RMS service availability may vary by country.

Key features

GF50 series

	GF50	GF50A
Tube	300kHU (210kJ)	150kHU (105kJ)
HVG(Generator)	52kW, 150kVp, 640mA	40kW, 125kVp, 500mA
Power connection	3-phase, 380/400/480 VAC, 50/60Hz	Single phase, 220/230VAC, 50/60Hz
Table	6-way, 4-way	4-way
Wireless Detector	S4335-W, S4335-WV	
Option	AEC, DAP, S-Share	

Key features

S-Detector

	S4335-W	S4335-WV
Detector type	CsI (Direct Deposition), Amorphous Silicon TFT	Gadox, Amorphous Silicon TFT
Effective area	43 cm x 35 cm (17 in x 14 in)	
Weight	Typ 3.1 kg	Typ 2.9 kg
Battery life	160 images during 4 hours (at 90sec/cycle)	