

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies, redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems, and semiconductor and LED solutions. We are also leading in the Internet of Things space through, among others, our Smart Home and Digital Health initiatives.

We employ 307,000 people across 84 countries with annual sales of US \$196 billion. To discover more, please visit our official website at www.samsung.com and our official blog at global.samsungtomorrow.com

CT-GF50 3.1-160622-EN

	GF50	GF50A
Tube	300kHU (210kJ)	150kHU (105kJ)
HVG(Generator)	52kW, 150kVp, 640mA	40kW, 125kVp, 500mA
Power connection	3-phase, 380/400/480VAC, 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	

© 2016 Samsung Electronics All rights reserved.
 Samsung Electronics reserves the right to modify the design, packaging, specifications, and features shown herein, without prior notice or obligation.

SAMSUNG

Efficiency at Hand

Digital Radiography GF50 Series

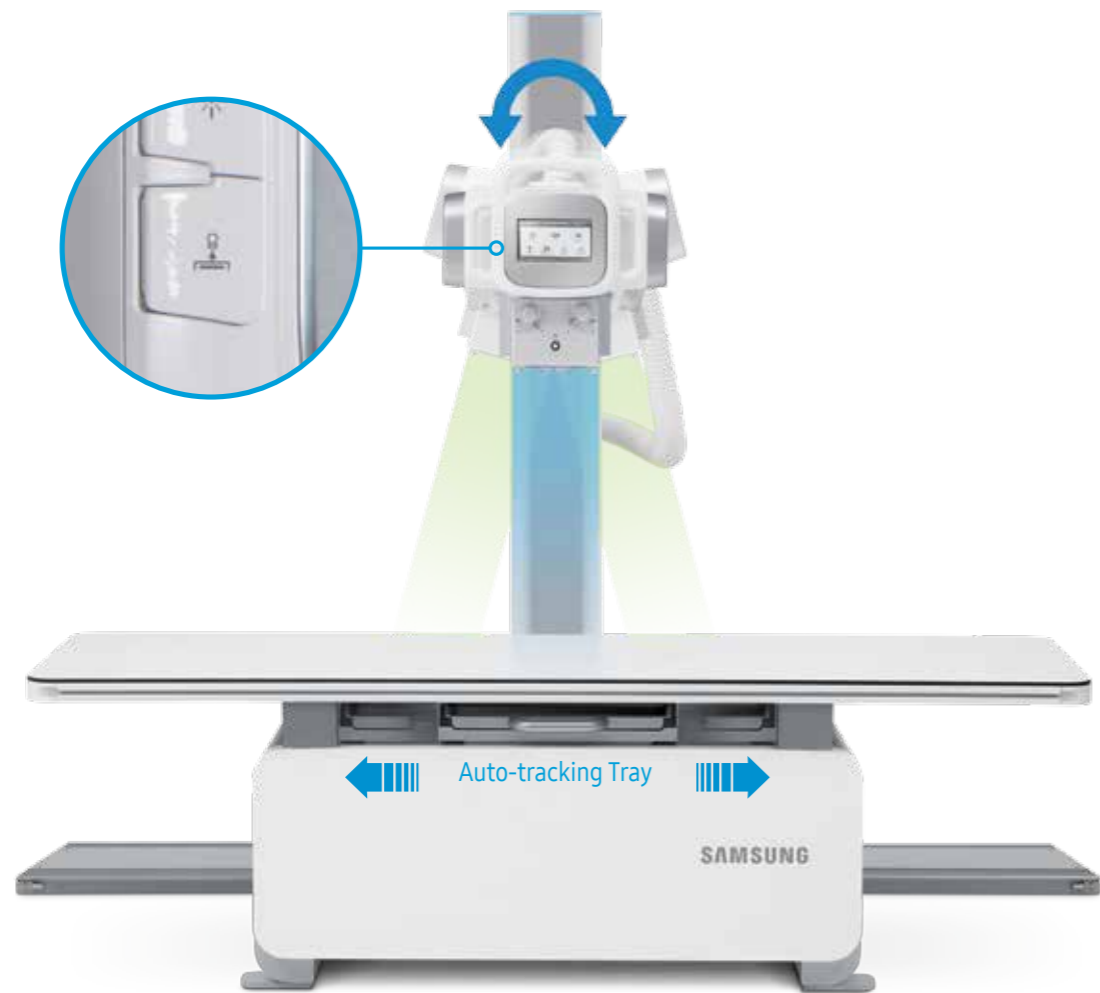
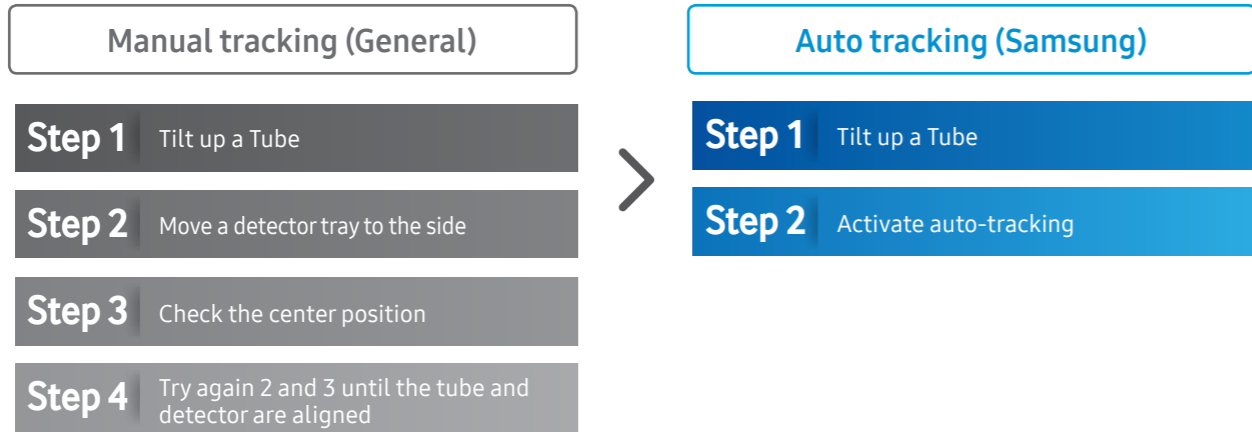


SAMSUNG

Experience enhanced workflow leading to high throughput

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.



Patients' comfort and high throughput with lightweight wireless S-Detector

Mobility of wireless S-Detectors provides higher throughput, making the patients in the procedure more comfortable and convenient. As a result, the operator's effort is reduced, and a greater number of patients can be served.

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.



* This image was taken with GC85A

Experience precise diagnosis with excellent images

Depend on S-Vue for diagnostic assurance with crystal-clear imaging

S-Vue provides excellent, high resolution images for the ultimate in diagnostic accuracy and confidence. The S-Vue imaging engine's adaptive filtering and processing technologies offer outstanding sharpness and readability.



Improved image definition and visibility

Innovative image processing technology clearly displays areas with varying bone density, including thick and thin parts with overlapping areas and contours.



Reliable clarity for high accuracy

S-Vue delivers image integrity for increased diagnostic precision. Regions of interest (ROIs) with implants and bone overlaps display sharply.



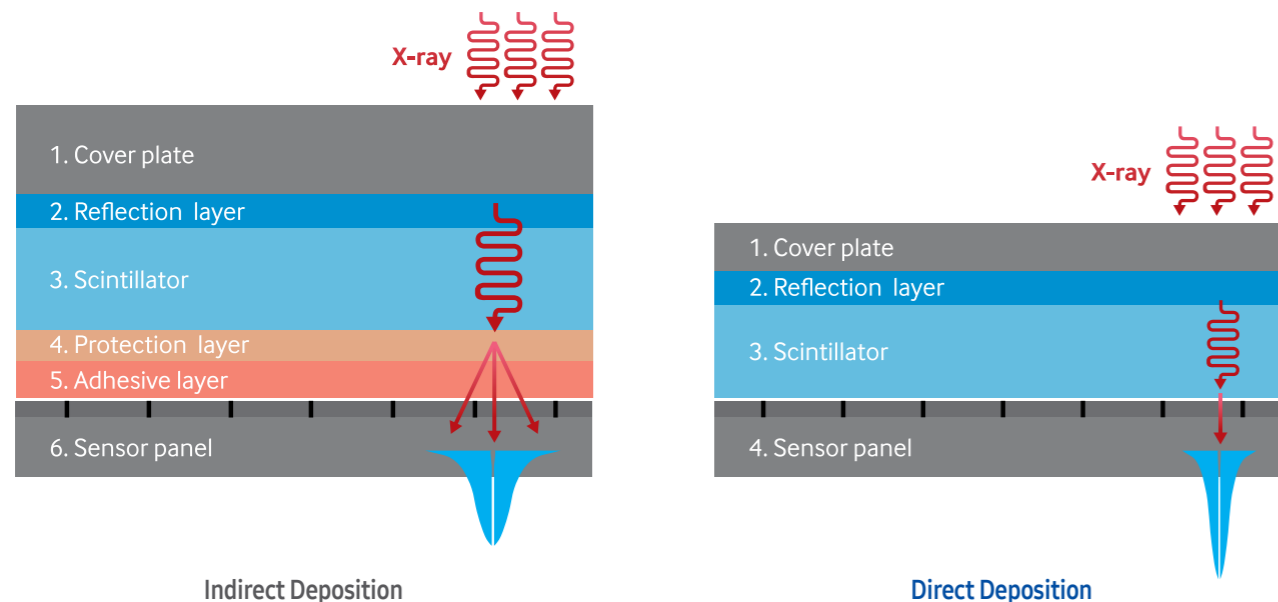
Great depth and superior dynamic image range

Clarified ROI contrast delivers a clear view of bones and tissues with enhanced detail. Areas with varying characteristics, such as spinal, lung and inguinal regions are distinctly displayed on a single image.

Advanced direct deposition detector

Samsung's direct Csl deposition type wireless detector allows X-ray signal to pass directly from the scintillator to TFT without interruption for clearer, sharper imaging.

Thus, diagnostic accuracy and patient safety is enabled with Samsung's innovative wireless detector combined with excellent product quality.



Improved diagnostic capability with S-Detector

Newly developed 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.

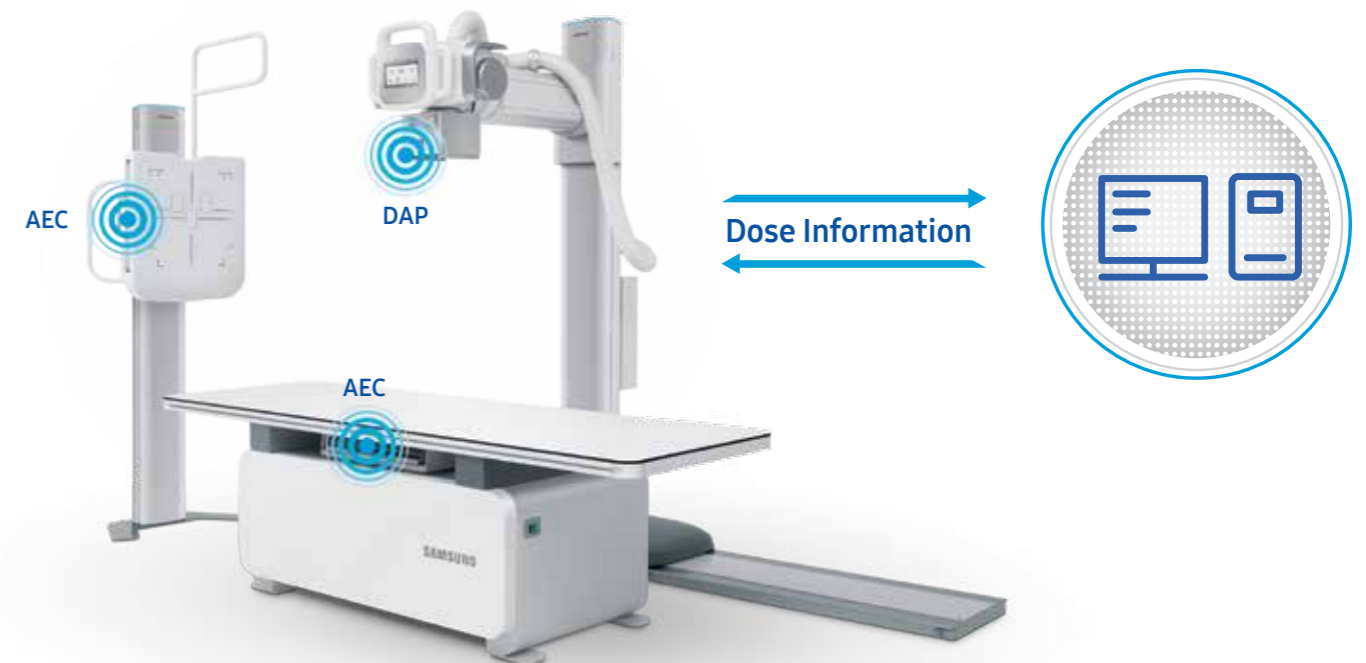


	S4335-W	S4335-WV
Detector type	CsI (Direct Deposition), Amorphous Silicon TFT	Gadox, Amorphous Silicon TFT
Effective area	43 cm x 35 cm (17 in x 14 in)	
Weight	Typ 3.1 kg	Typ 2.9 kg
Battery life	160 images during 4 hours (at 90sec/cycle)	

* It depends on air condition

Enhanced dose management

The GF50 series manages and lowers required radiation dose with several advanced functions. Dose Area Product(DAP) provides patient-level dose estimates and maximum recommended exposures. Relevant information is stored on the PACS, enabling cumulative patient dose tracking. Automatic Exposure Control(AEC) reduces excessive patients' radiation exposure.



Experience simplified operation with user-friendly solutions

Ergonomic design with foot sensor

The ergonomic design provides enhanced accessibility with 4-way or 6-way table movement for quick, accurate patient positioning. The range of longitudinal movement is $\pm 500\text{mm}$, and the range of transverse movement is $\pm 125\text{mm}$. The wide table enhances patient comfort, and users conveniently control the 4-way table-top by signaling to the foot sensor.



Intuitive user interface

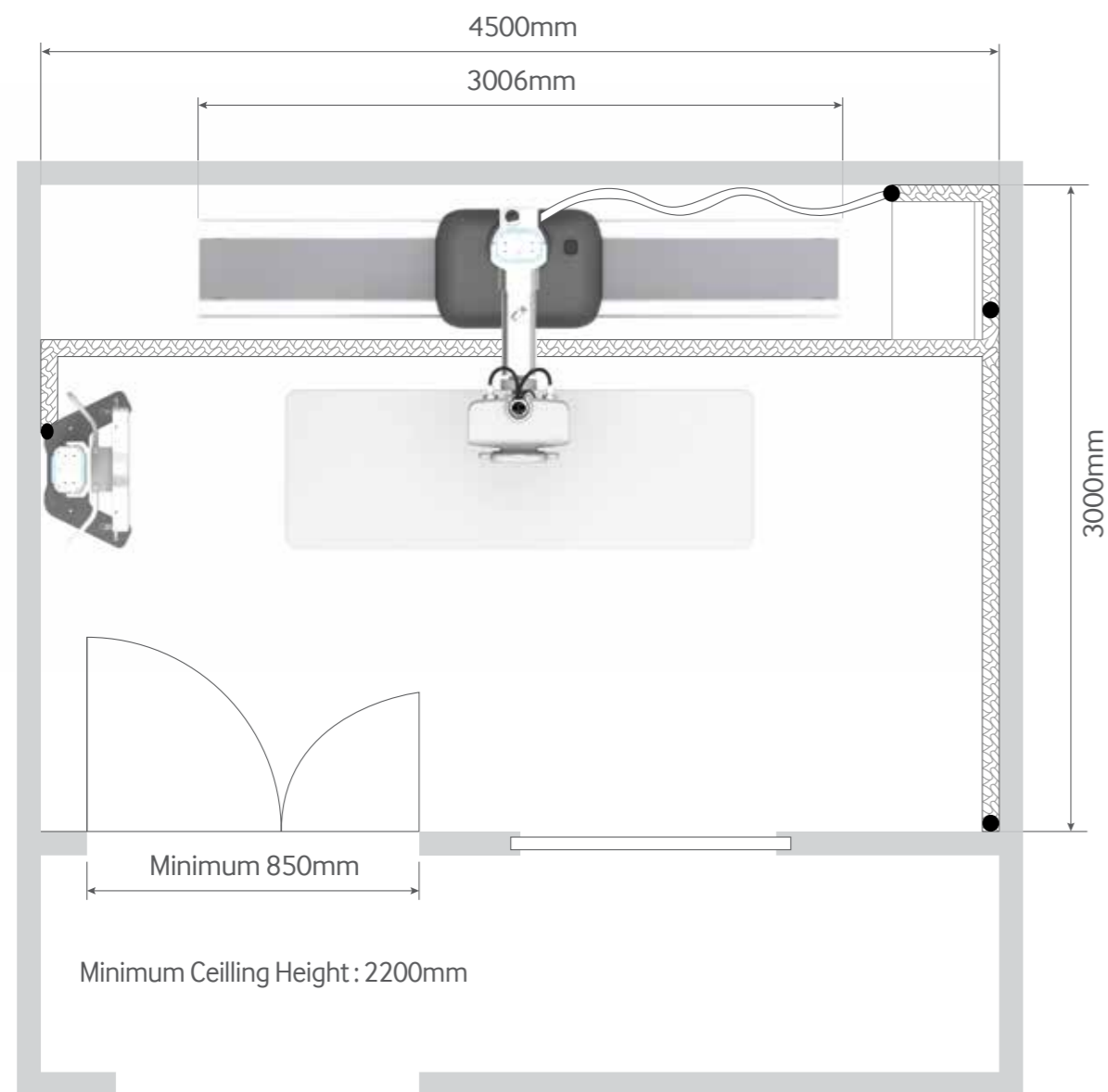
Intuitive interface of the workstation allows users to easily operate the system. The Anatomical Programmed Radiography (APR) selects the appropriate imaging method for the parts being imaged to ensure quick examinations, and hospitals can select the APR database according to their needs.



Experience efficient space-usage

Room consideration

Typical room layout



Product gallery

Compact design enables easy installation, even in tight spaces.



Improve efficiency with continuous operation

Strategic investment with S-Share*

S-Detector(S4335-W) are compatible with Samsung DR systems.**

Continuous operation

When a detector is discharged, it can be used with detectors from other compatible Samsung DR equipment. This capability enables patient care to continue without interruption.

Enhanced utilization

S-Share can dramatically increase efficiency through the use of S-Detectors with various existing compatible equipment. S-Detectors can be used in the morning for daily ward rounds. During peak exam periods the detectors can be used to increase productivity in exam rooms. System operators can also use S-Detectors to support emergency rooms and intensive care units.

Maximum output from minimal expenditure

S-Share reduces expenses by properly configuring the number and sizes of detectors to be purchased to address key clinical needs and deliver maximized output with lower expenditure.

* S-Share is Optional

** Compatible Samsung DR systems may vary by country.



Value care services

Maintenance solution: 24/7, 365 days a year*

▶ RMS (Remote Maintenance System)

This system enables continuous monitoring of system errors, auto-diagnosis of the system and software version.

▶ 24/7 call center**

The customer support center operates 24/7, 365 days a year to quickly respond to clients' problems.

▶ Upgrade service

Samsung helps clients use the latest products through optional detector upgrades, along with hardware and software upgrades.

▶ Service offering

Samsung offers clients the flexibility to choose service support by allowing them to select the coverage to meet their unique requirements.



* Maintenance service availability may vary by country.

** Service countries are Germany, France, Italy, China, Thailand, Turkey, USA and Brazil.