

Great Flexibility  
at every turn

**GF85**



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at every turn

# GF85

Introducing the new floor-mounted digital radiography system, GF85, designed with work efficiency in mind. Mirroring the innovative core technology as Samsung's premium DR line-up, it offers outstanding ease of use, reliable performance and durability.

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STREAMLINE  
WITHOUT COMPROMISE

02

DIAGNOSTIC  
CONFIDENCE

03

EXPAND  
PREMIUM EXPERIENCE

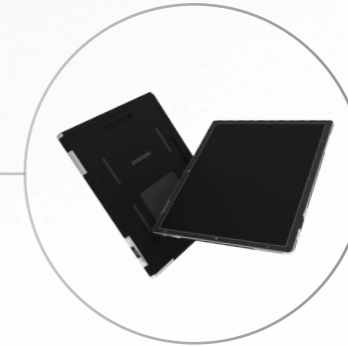
## Samsung Premium DR Systems



GC85A Vision+



GM85



AccE Glass-Free  
Detector



GF85



The all-new floor-mounted system is here.  
It's ready to revolutionize your workflow.

\* Optional feature requiring additional purchase  
 † Not available feature in the 4-way table

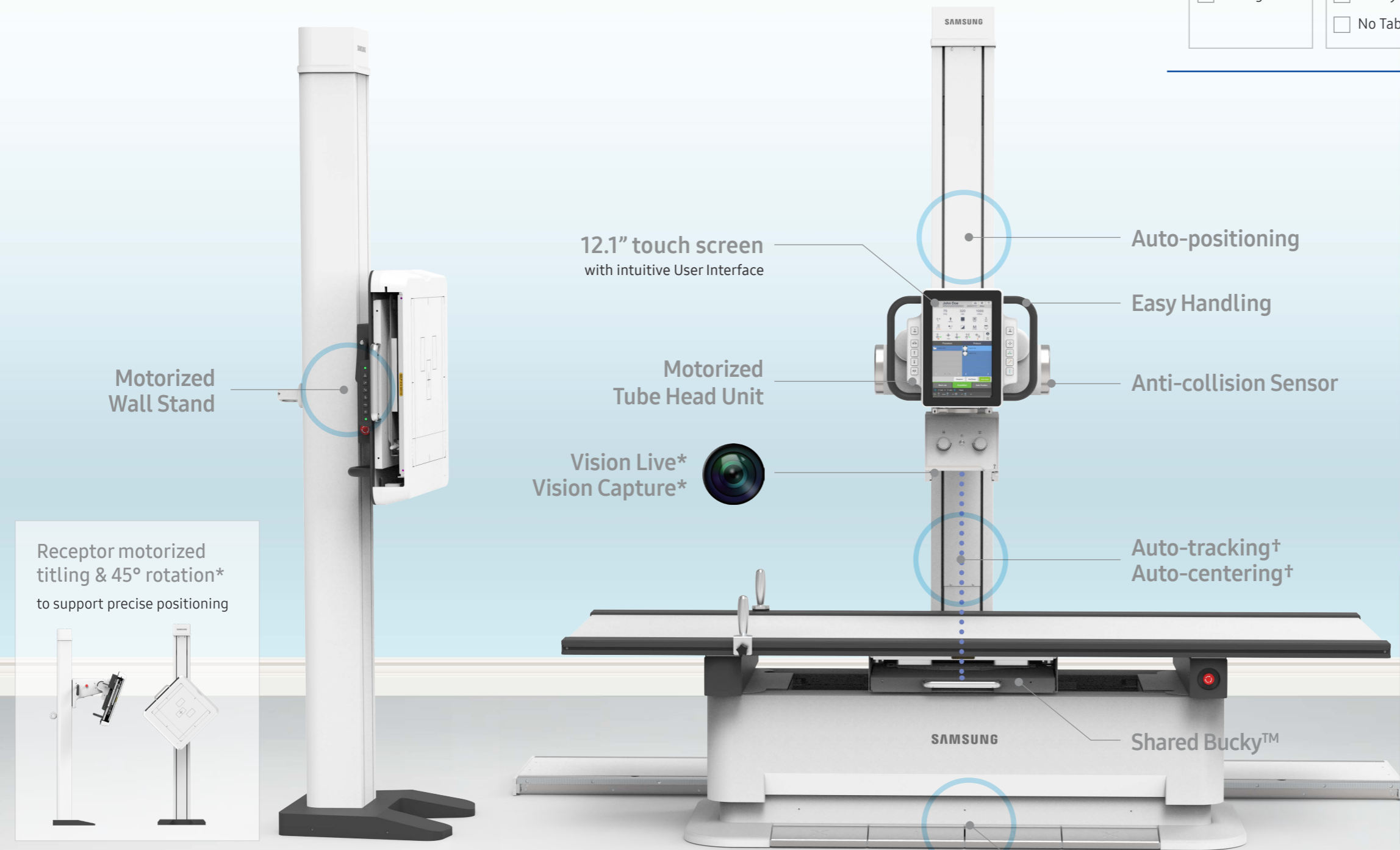
# STREAMLINE WITHOUT COMPROMISE

Great Flexibility on a Small Footprint

## Great Flexibility in Configuration

to meet versatile clinical and economic needs

Wall Stand	Patient Table	Collimator	Detector
<input checked="" type="checkbox"/> Non-tilting	<input checked="" type="checkbox"/> 6-way Table	<input checked="" type="checkbox"/> Motorized	Tube & HVG
<input type="checkbox"/> Tilting	<input type="checkbox"/> 4-way Table	<input type="checkbox"/> Manual	S/W Application
	<input type="checkbox"/> No Table		...



Receptor motorized titling & 45° rotation\* to support precise positioning

Single Operator Support

Bucky Rotation without removing and re-installing the detector

In-bucky Charging to charge detectors without the need for additional hardware

Wall Stand

Table

\* Optional feature requiring additional purchase  
 † Not available feature in the 4-way table

# STREAMLINE WITHOUT COMPROMISE

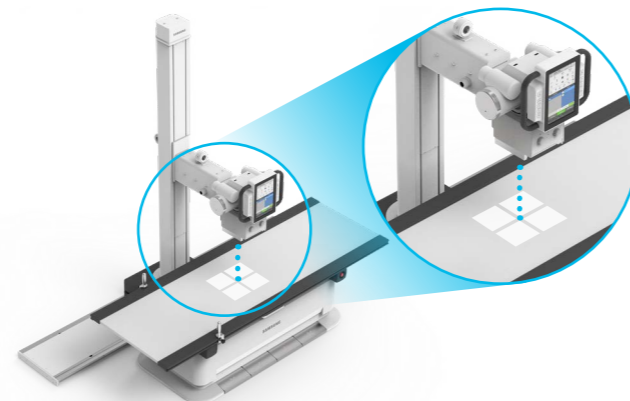
## Auto-positioning

Auto-positioning allows the system to move to pre-programmed exam positions with a single click. This feature provides effortless control and simplifies daily routines.



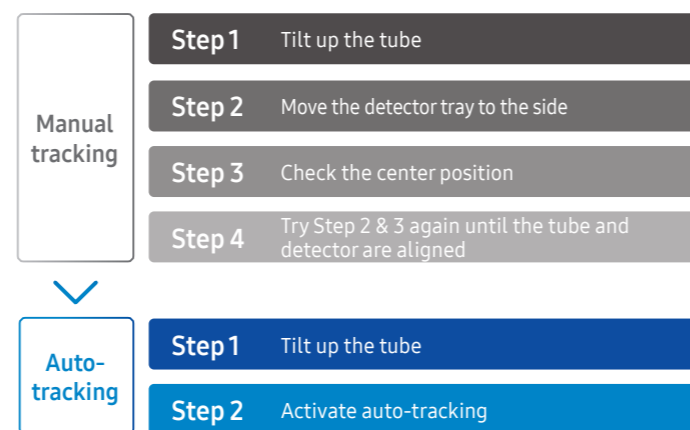
## Auto-centering†

For a seamless workflow, Auto-centering automatically aligns the tube head unit to the center of the detector at either the table or wall stand.



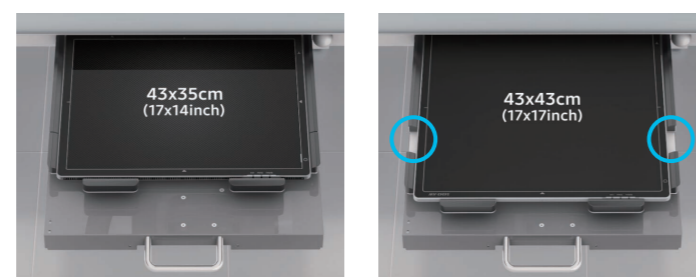
## Auto-tracking†

Auto-tracking automatically synchronizes the movement of the tube and detector to reduce repetitive tasks.



## Shared Bucky™

Shared Bucky™ is designed for sharing two sizes of detectors in one bucky tray in the table. (F4335-AW, S4335-AW, S4343-AW)



## Vision Live\*

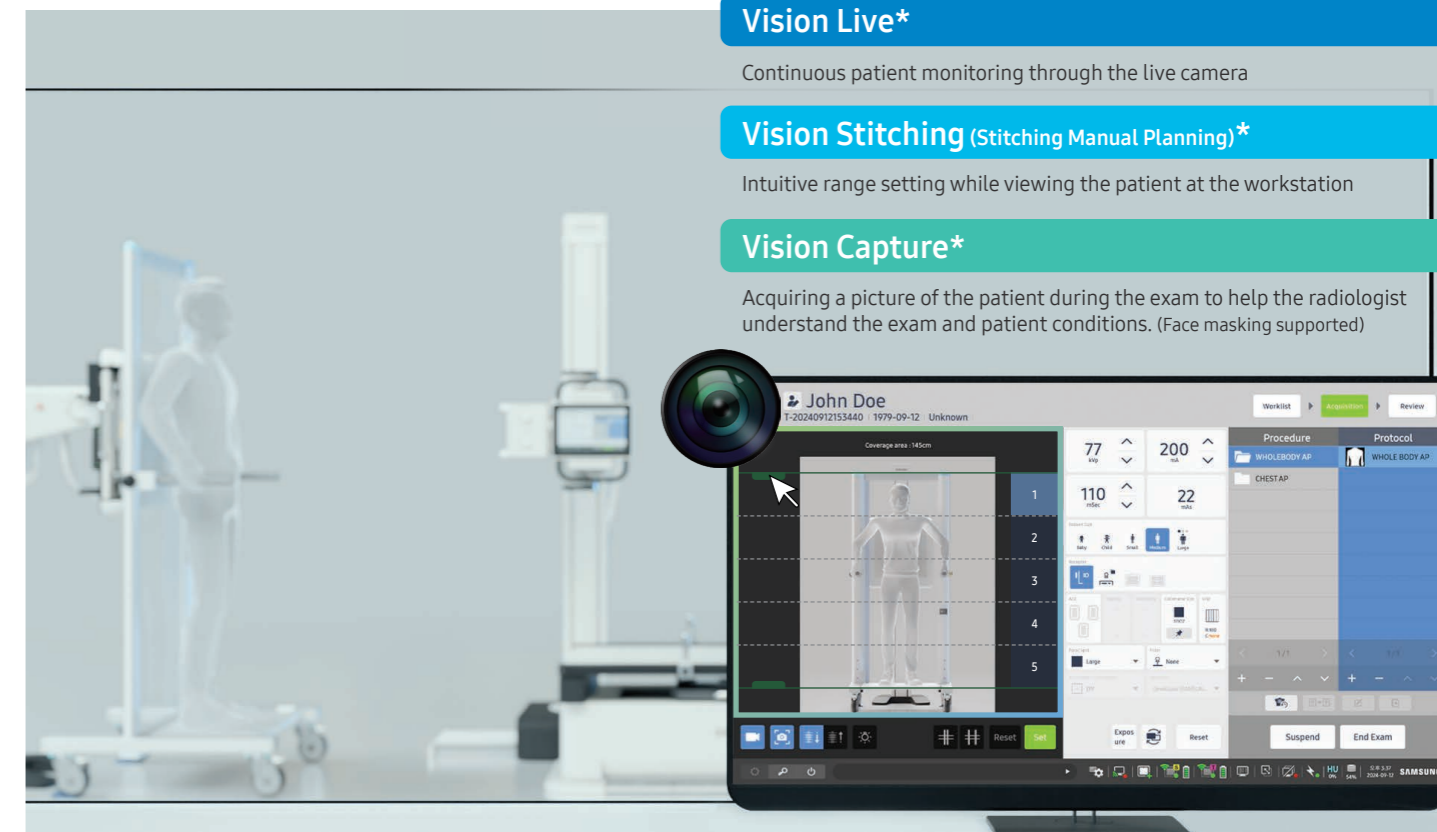
Continuous patient monitoring through the live camera

## Vision Stitching (Stitching Manual Planning)\*

Intuitive range setting while viewing the patient at the workstation

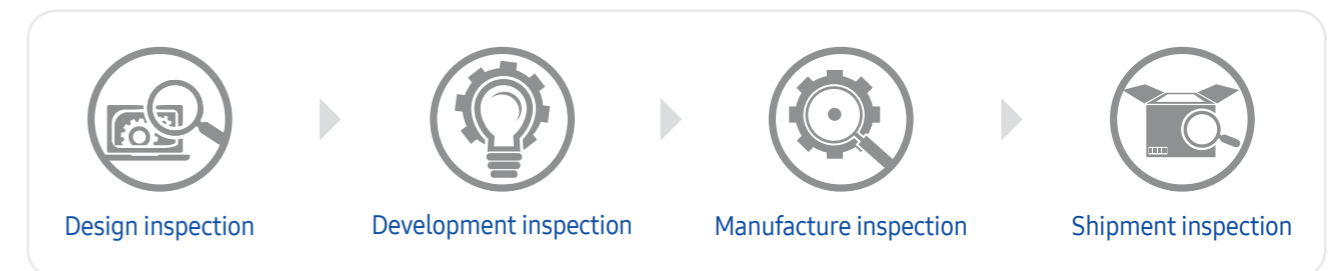
## Vision Capture\*

Acquiring a picture of the patient during the exam to help the radiologist understand the exam and patient conditions. (Face masking supported)



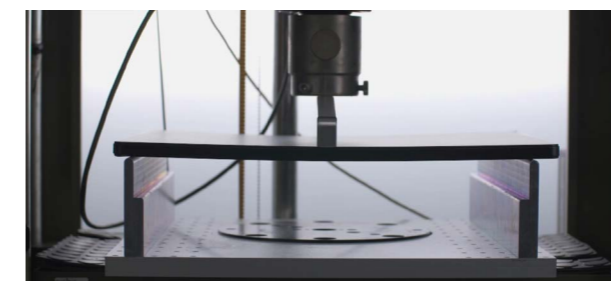
## Exhaustive Quality Control

A lot of test categories are performed to find and analyze any defects that may affect the system. We conduct internal tests comparable to international testing standards such as MIL-STD, ASTM, IEC, and etc.



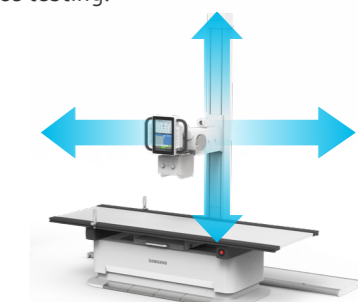
## Reliability test

Samsung systems undergo strict reliability and durability tests to provide consistent imaging quality and performance.



## Life span management

Based on the user scenario, the tests are divided into electronic and mechanical aspects to carefully perform component stress assessment and operational endurance testing.



# STREAMLINE WITHOUT COMPROMISE

**27% Lighter†** **ACC** Glass-Free Detector  
ACCESS · ACCURACY · EFFICIENCY

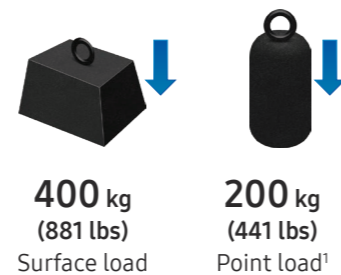
The AccE Glass-Free Detector offers a more comfortable imaging experience. It is designed to relieve user fatigue by replacing a glass-based substrate with a lightweight, non-glass flexible panel. This glass-free technology not only makes it 27% lighter†, but also does not compromise the image quality with high DQE (76% @0lp/mm).

Lightweight approx. **2 kg‡**  
 (4.5 lbs)



## Reliable in Versatile Environment

Impressive load allowance along with dust and water resistance enables the detector to be actively implemented in versatile environments. The robust design allows for the reduction in user concern when performing exams in an OR and ER setting.



## Enhance Your Daily Workflow

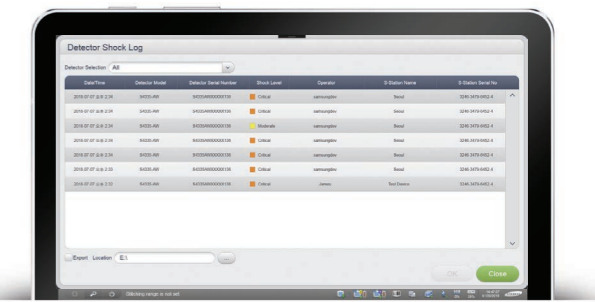
The user-centric design aids in efficiency and portability, alleviating daily burdens.

- CENTER ENGRAVING** to help position the patient
- REAR GRIP** to support transportation
- SIDE CHAMFER** to ease your lifting



## Manage Your Detector Wisely

Continuous status tracking of the detector will enhance user confidence and improve the system's uptime. Features such as real-time shock sensing and detector auto correction will allow the detector to be in shape for use and help you respond quickly to critical detector shocks.



Real-time Shock Sensing

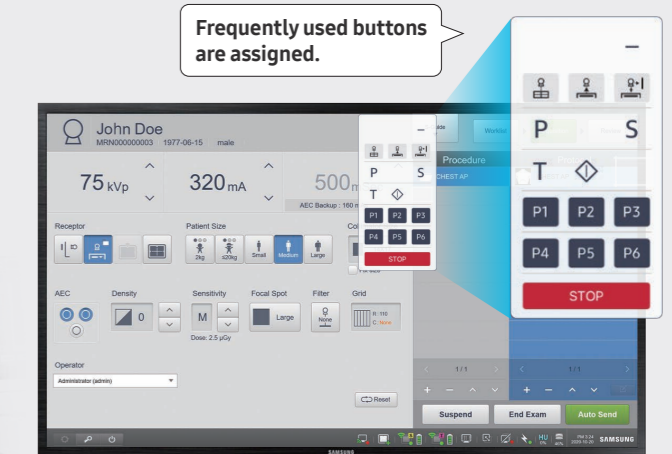
## Voice Guide\*

For radiologic technologists, it can be a burden to repeat the same comments to each patient, such as breath in/hold, do not move, etc. With hand switch or hotkey control (F1~F8), you can conveniently deliver pre-recorded comments and it also helps to alleviate language barriers with foreign-language speaking patients.



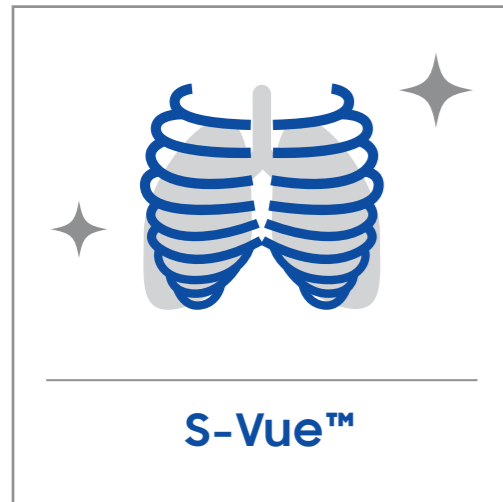
## Virtual Remote Controller\*

With the virtual controller, users can control the tube head unit or table through the screen in the control room. There is no need to spend time looking for a remote control.



† Compared to S4335-AW without battery set  
 ‡ Measured without battery set  
 1) Based on 40 mm diameter disc at the center

# DIAGNOSTIC CONFIDENCE



## S-Vue™

S-Vue™ image processing engine provides excellent, high resolution images for diagnostic accuracy and confidence. Its anatomy adaptive enhancing and noise reduction technologies offer outstanding sharpness and readability.

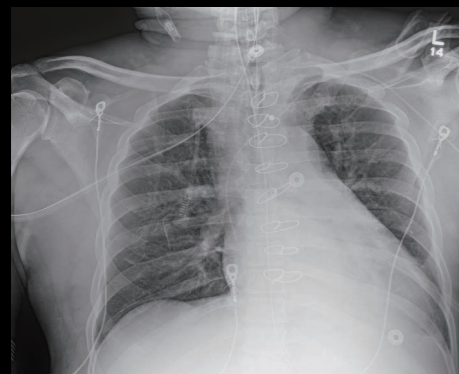


Consistent Image Quality



Enhanced Anatomical Clarity

Case 1. Chest AP (X-Large adult)



The image was taken with GM85.

Case 2. Abdomen

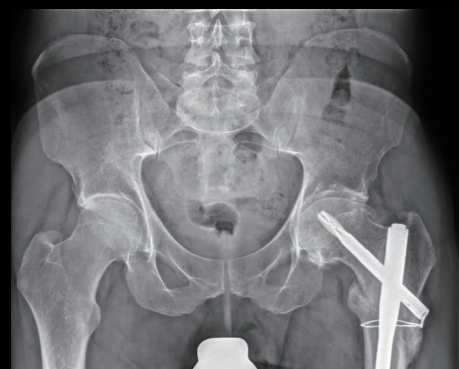


These images were taken with GC85A.

Case 3. L-spine



Case 4. Pelvis (Halo artifact)



The image was taken with GC85A.

The upgraded S-Vue™ displays areas with varying bone density clearly, regardless of the patient's size or body region through advanced region-specialized processing.



## Low Dose in New S-Vue™

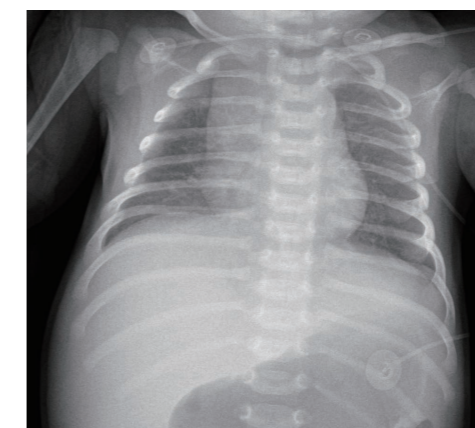
S-Vue™ not only provides excellence in image quality, but also secures better patient safety in radiography examinations. This can help change the patient's perspectives for X-ray radiation and improve patient satisfaction.



### Our Pledge for Low Dose

Samsung's Low Dose campaign is going to change your ordinary X-ray experience into our low dose imaging experience. Our commitment to lower dose will help you give more care to the ones you love. We will accompany with you as a lifetime partner in the right way.

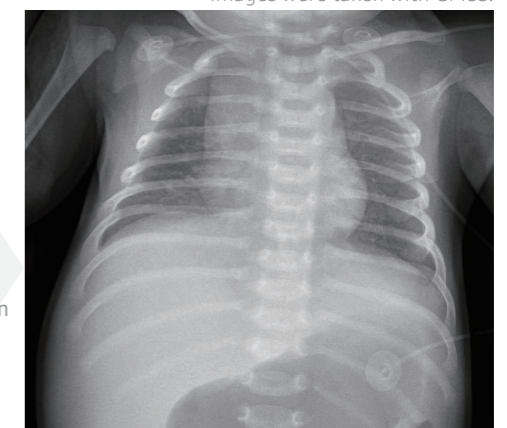
Case. Pediatric Chest PA<sup>1</sup>



Conventional

16.1 uGy

(54 kVp / 1.42 mAs / 0.06 dGy\*cm<sup>2</sup> / 0.1 mmCu Filter)



Low Dose

13.7 uGy

(54 kVp / 1.21 mAs / 0.05 dGy\*cm<sup>2</sup> / 0.1 mmCu Filter)

15%  
Dose Reduction

Images were taken with GM85.

## Precise dose management features



Automatically optimized dose controls prevent excessive radiation exposure and provide precise dose control for patients.

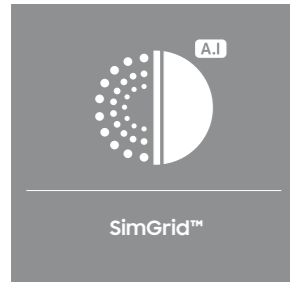
- 6-stage Pediatric Exposure Management according to weight
- Bariatric Exposure Management\* (X-Large/2X-Large)
- Automatic filter with APR
- Dose Report
- AEC

\* Optional feature requiring additional purchase



<sup>1</sup>Note: The claim concerning Samsung DR is based on limited phantom and clinical study results. Only routine PA chest radiography and abdominal radiography for average adults and pediatric abdominal, chest, skull radiography were studied, excluding pediatric patients under 1 month old. (FDA cleared - K172229, K180543, K182183) In practice, the values of dose reduction may vary accordingly. These clinical images calculate the dose reduction rate from its own standard dose at the clinical site, unlike our FDA claim which compares dose between new IPE and old IPE. The clinical site is responsible for determining whether the particular radiographic imaging needs are not impacted by such x-ray dose reduction.

# DIAGNOSTIC CONFIDENCE

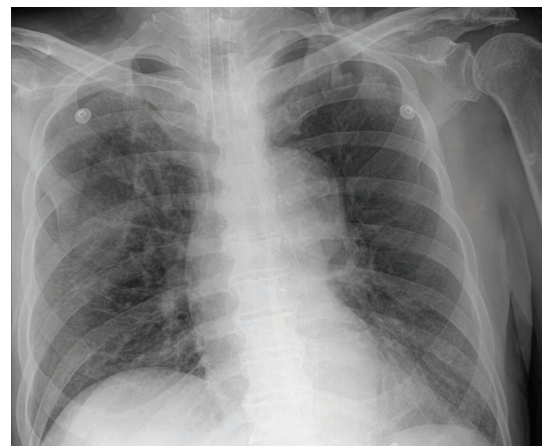


## SimGrid™\*

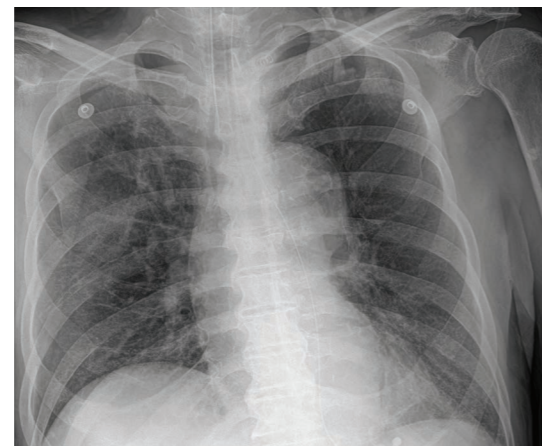
With just a click, SimGrid™ allows you to provide better patient care with higher satisfaction and reduced retake rates without the use of a portable grid. It improves image contrast by reducing scatter radiation effects and creates better image quality. The 3-step intensity control (Low/Medium/High) enables customized image processing.

Case. Chest AP

Images were taken with GM85.



Without Grid



With SimGrid™

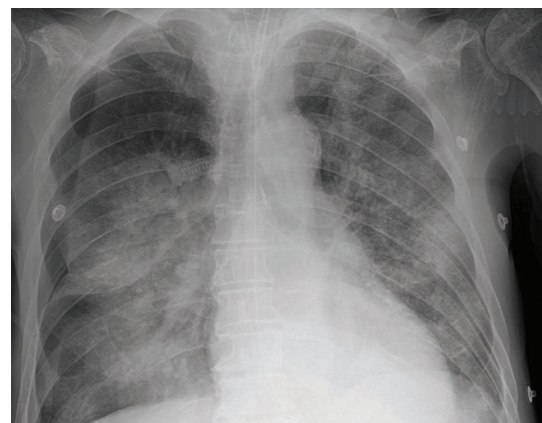


## S-Enhance\*

To support your diagnosis, S-Enhance improves the clarity of foreign bodies (e.g. tube, line and/or needle) in images of chest, abdomen, and L-spine. With a single on-screen click, the companion image is created without additional settings or x-ray exposure, streamlining the workflow.

Case. Chest AP

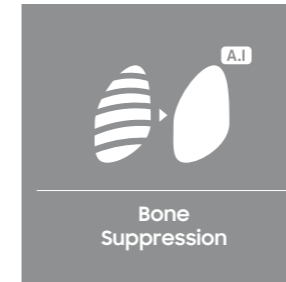
Images were taken with GM85.



Without S-Enhance



With S-Enhance

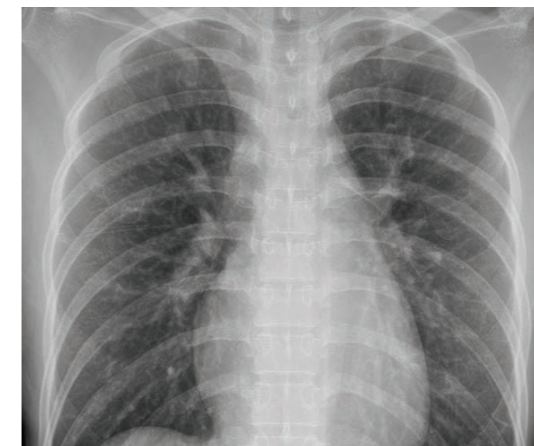


## Bone Suppression\*

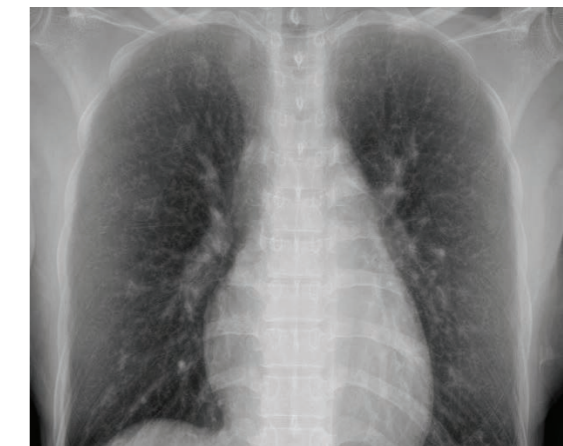
Without additional setting or exposure, Bone Suppression imaging improves the clarity of soft tissues by suppressing the appearance of bones in chest images, which enhances your ability to detect nodules. You can easily create the companion image with just a click on the screen.

Case. Chest PA

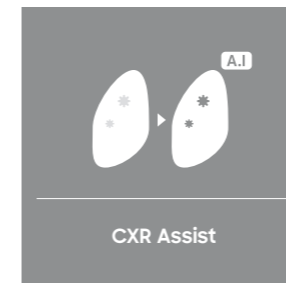
Images were taken with GC85A.



Without Bone Suppression



With Bone Suppression



## CXR Assist\*

New CXR Assist with Lunit Insight CXR helps you diagnose more efficiently and accurately by automatically detecting 10 of most common thoracic radiologic findings and supporting Tuberculosis Screening.

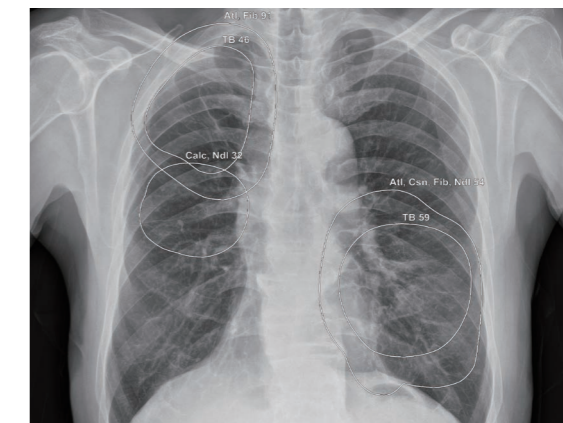
**10+** Atelectasis · Calcification · Cardiomegaly · Consolidation · Fibrosis · Mediastinal Widening · Nodule/Mass · Pleural Effusion · Pneumoperitoneum · Pneumothorax · Tuberculosis Screening

Case. Chest PA

Images were taken with GC85A.



Without CXR Assist



With CXR Assist

# EXPAND PREMIUM EXPERIENCE

## Samsung Platform

Our reliability and stable services are the result of continuous upgrades based on extensive customer feedback. Experience an integrated DR solution for efficient and successful hospital operations.

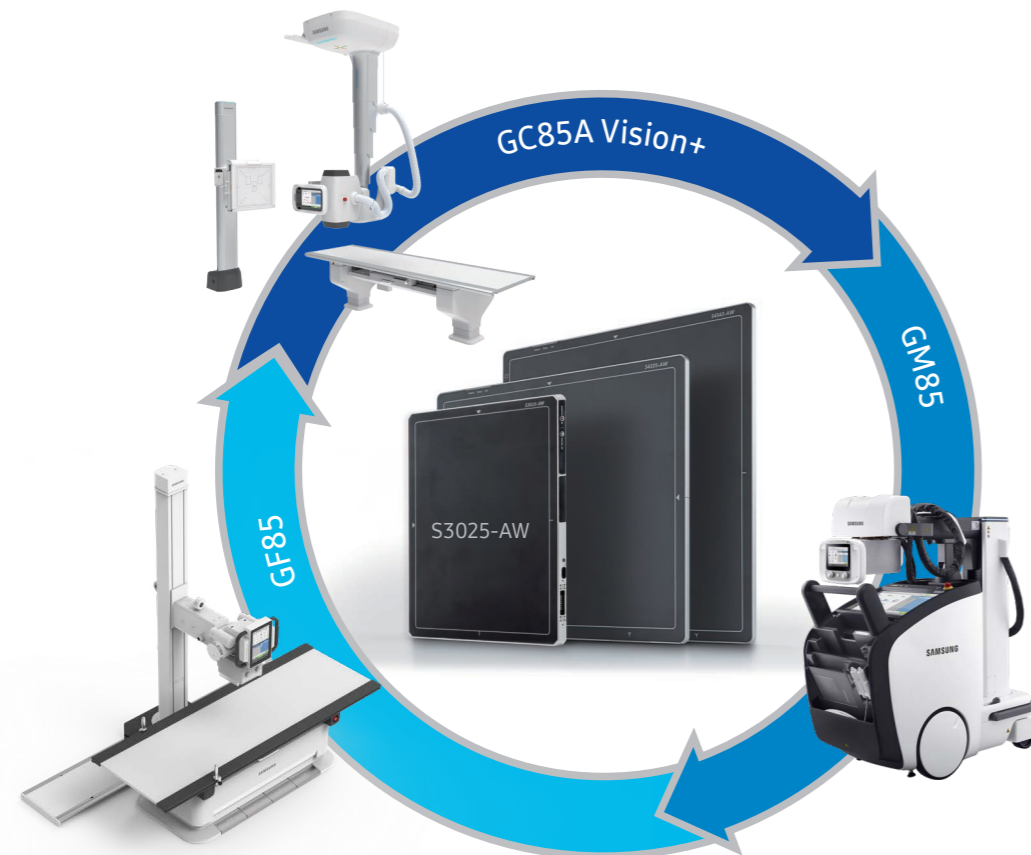
Intuitive UI/UX · SMART Center · S-Share™ · Cybersecurity · QAP · Value care service



Standardized management with SMART Center\*

## S-Share™

S-Share™ can dramatically increase efficiency through the use of AccE Glass-Free Detector, AccE Detector, and AccE Standard Detector with various existing compatible equipment. It enables accelerating connection for better synergy of Samsung DR systems.



GC85A Vision+ is a sub-configuration of GC85A with upgraded Vision Assist.

## Samsung DR Cybersecurity



### Samsung's Defense-in-depth

· Designed holistic protection for your critical assets with multi-layered security controls: physical, operating system hardening, network, access control, application, and data layers

### World-class Management System

· Received independent certification including ISO/IEC27001, ISO/IEC27701  
· Comply with Risk Management Framework (RMF) according to NIST SP 800-53

## QAP\*

QAP (Quality Assurance Program) assures consistent imaging performance in a precise and cost-effective way. It enables comprehensive system management by automatic periodic test measuring multiple parameters such as source performance, AEC accuracy, geometry accuracy, and detector performance with image quality.



## Value care service



### Remote Software Update

Keep the software up to date without service requests. The latest version of the software is notified for users to download and update.



### Remote Maintenance System

This RMS continuously monitors any system errors and automatically identifies the system and software version.



### 24/7 call center

Our customer support center operates 24 hours per day, 365 days a year to quickly respond to any questions or problems you may have.



### Service offering

Samsung provides tailored service and support programs to meet your unique requirements.

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies.

The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at [news.samsung.com](https://news.samsung.com).

## GF85 Catalog v1.0-241129-CE

GF85 (GF85-SP, GF85-3P)

GF85-SP : HVG 1-Phase Line Voltage

GF85-3P : HVG 3-Phase Line Voltage



Scan code or visit  
[www.samsunghealthcare.com](https://www.samsunghealthcare.com)  
to learn more

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**SAMSUNG**