Relentless Innovation
for your diagnostic confidence

SAMSUNG

ACCELERATING INTELLIGENCE

ACCESS · ACCURACY · EFFICIENCY

GC85A

Vision+

ACCELERATING INTELLIGENCE

AccE GC85A

Vision+

The AccE GC85A Vision+ is a premium ceiling digital radiography system providing an advanced low dose imaging experience and streamlined workflow allowing for patient centric care.

01

STREAMLINE
WITHOUT COMPROMISE

02

DIAGNOSTIC
CONFIDENCE

03

EXPAND
PREMIUM EXPERIENCE

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

* Optional feature requiring additional purchase

STREAMLINE WITHOUT COMPROMISE

Fully automated system

AccE GC85A Vision+ enables fully automated operation along with the tube head unit, motorized wall stand and patient table. Simply press the button and continue patient care.

Auto-positioning

Auto-positioning allows for more than 500 preprogrammed exam positions. The most frequently used positions can be controlled with a handheld wireless remote control.

Auto-tracking

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

Soft Handling™

Lightly move the tube head unit with a little effort.

S-Align™

When using detectors for free exams, S-Align™ displays the detector's angle on the tube head unit for precise alignment. Also, when the tube head unit and the detector are within a certain radius, the angle can be automatically aligned, reducing repetitive exposure and saving time.

SimGrid™*

Software feature SimGrid™ streamlines the workflow by guaranteeing image quality without the use of a conventional grid. This allows the omission of grid installation and removal step from the conventional workflow leading to 28% reduction in total exam time.

Images were taken with GM85.

STREAMLINE WITHOUT COMPROMISE

Vision Assist

Upgrade

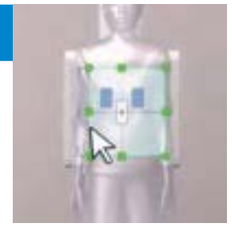
Vision Assist*

Samsung's latest camera solution, Vision Assist, is focusing on new ways to increase the efficiency of DR imaging. Vision Assist allows continuous patient monitoring through Vision Live, which is a live camera in the tube head unit. It assists technologists to control the positioning quickly and accurately. Experience agile and intelligent workflow with Vision Assist in AccE GC85A Vision+.

Reduce retake errors in positioning

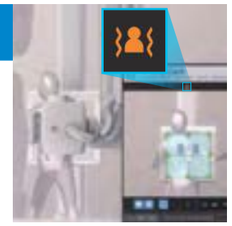
Virtual Overlay* / Virtual Collimation*

When positioning a patient, Vision Assist displays a virtual drawing of the receptor boundary and AEC chamber onto the patient. Virtual Collimation via real-time camera allows for easy adjustment of the collimated area on the workstation in the control room.



Motion Alarm* A.I.

The Motion Alarm function notifies a radiographer when the patient moves or falls after positioning. This helps avoid unnecessary exposure in the wrong positioning and allows the radiographer to take care of the fallen patient immediately.



Patient Size Guide*

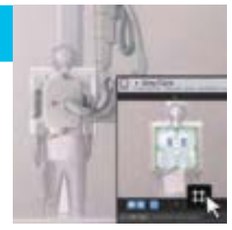
Vision Assist recommends patient size and optimal parameters based on the patient's body thickness to save time. It supports the guide for adult sizes from small to 2X-large and also allows users to set the size range.

Save operation time in setting

Intelligent Collimation* A.I.

To speed up workflow, Intelligent Collimation provides optimal collimated area automatically. Users can get assistance with just one click, reducing control time.

25% Setting Time[1]



Vision Stitching* A.I.

One-touch auto planning for stitching

84% Setting Time[1]

Support radiologists

Vision Capture*

Vision Capture offers a duplicate, companion patient picture of an X-ray image taken. It allows the captured picture to be sent to the DICOM server to assist radiologists in better understanding the patient's status and exam situation.

1) Based on a study with technologists in a development environment. Comparison of average time between manual setting in the GC85A and automatic setting in the GC85A with Vision Assist.

STREAMLINE WITHOUT COMPROMISE

27 % Lighter†

ACCE™ ACCESS · ACCURACY · EFFICIENCY

Glass-Free Detector

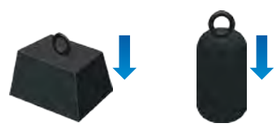
To offer more comfortable imaging experiences, Samsung introduces a new flagship detector, the AccE Glass-Free Detector. It is designed to relieve user fatigue by replacing a glass-based substrate with a lightweight, non-glass flexible panel. This glass-free technology not only makes it 27% lighter†,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

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

IP54

Reliable in Versatile Environment

Impressive load allowance along with dust and water resistance allows the detector to be actively implemented in versatile environments. Its robust design will help reduce user concerns when applying the detector in complex situations such as ER and OR.



400 kg **(881 lbs)** Surface load

200 kg **(441 lbs)** Point load[1]

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

* Optional feature requiring additional purchase

Enhance Your Daily Workflow

User-centric design of the detector to support patient positioning and alleviate 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 upgrade 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

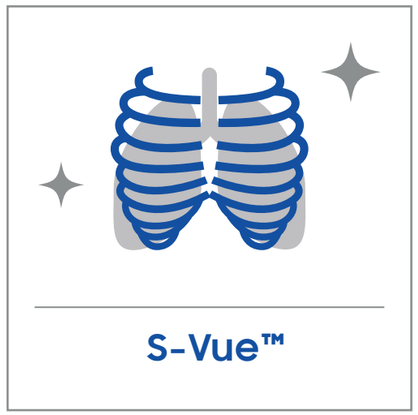
Voice Guide*

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. Voice Guide helps to reduce user fatigue and improve work efficiency. With hotkey controls (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 an additional 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, which supports a seamless workflow.

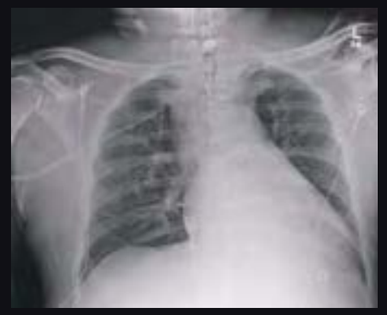
DIAGNOSTIC CONFIDENCE



S-Vue™

S-Vue™ provides excellent, high resolution images for diagnostic accuracy and confidence. The S-Vue™ imaging engine's adaptive filtering and processing technologies offer outstanding sharpness and readability. Also, dosage level can be reduced up to 45% for pediatric abdomen, 15.5% for pediatric chest, and 27% for pediatric skull exams with the new S-Vue™ engine" (#1 above the word engine).[1]

Case 1. **Chest AP (X-Large adult)**



The image was taken with GM85.

Case 2. **Abdomen**

Case 3. **L-spine**

These images were taken with GC85A.

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.

Low Dose Campaign

Our Pledge for Low Dose

Our commitment to a lower dose will ensure the best images come with the best care for the ones you love. We are committed to creating the best diagnostic images with the lowest dose possible.

Case. Pediatric Chest PA[1]

Images were taken with GM85.

Conventional
16.1 uGy

(54 kVp / 1.42 mAs / 0.06 dGy*cm² / 0.1 mmCu Filter)

15%
Dose Reduction

Low Dose
13.7 uGy

(54 kVp / 1.21 mAs / 0.05 dGy*cm² / 0.1 mmCu Filter)

* Optional feature requiring additional purchase

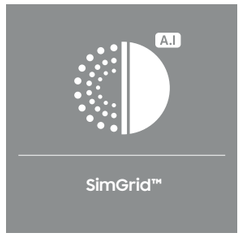
Precise dose management features

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

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

1)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 calculates 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™

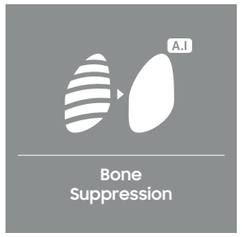
S-Enhance*

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



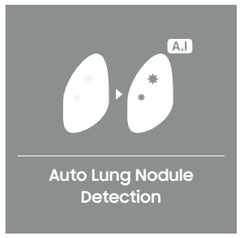
Bone Suppression*

Without additional setting or exposure, Bone Suppression Imaging improves the clarity of soft tissues by suppressing the appearance of bones in chest images, which improves 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



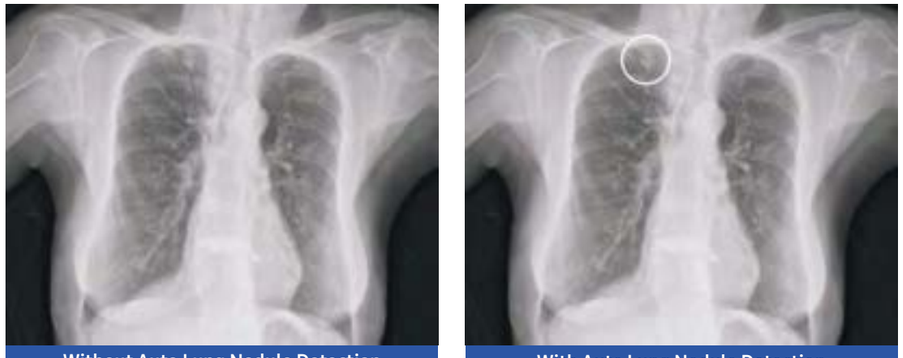
Auto Lung Nodule Detection*[1]

Auto Lung Nodule Detection is computer-aided detection software to identify and mark regions in relation to suspected pulmonary nodules from 10 to 30 mm in size. It is designed to aid the physician's review of PA chest radiographs of adults as a second reader and be used as part of S-Station.

1) ALND cannot be used on the patients who have lung lesions other than abnormal nodules and was not tested on images having more than three nodules.

Case. Chest PA

Images were taken with GC85A.



Without Auto Lung Nodule Detection | With Auto Lung Nodule Detection

EXPAND PREMIUM EXPERIENCE

S-Share™

S-Share™ can dramatically increase efficiency through the use of AccE Glass-Free Detector and AccE Detector with various existing compatible equipment. It enables accelerating connection for better synergy with premium digital radiography systems, AccE GC85A Vision & AccE GM85.

QAP*(Quality Assurance Program)

QAP 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.

* Optional feature requiring additional purchase

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, SO/IEC27701

· Comply with Risk Management Framework (RMF) according to NIST SP 800-53

Government-grade Security

· Achieved government agency security including Authority to Operate (ATO) for the U.S. Department of Defense

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)

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.

Maintenance service availability may vary by country.