

About Samsung Electronics Co., Ltd.

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 semiconductors. We are also leading in the Internet of Things space through, among others, our Digital Health and Smart Home initiatives. We employ 307,000 people across 84 countries. To discover more, please visit our official website at www.samsung.com and our official blog at global.samsungtomorrow.com

For more information

For more information about Samsung GC85A, visit www.samsung.com/global/healthcare

CT-GC85A 1.2-160222

2015-06

Copyright © 2016 Samsung Electronics Co., Ltd. All rights reserved. Samsung is a registered trademarks of Samsung Electronics Co., Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

Samsung Electronics Co., Ltd.

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-772 Korea

www.samsung.com

SAMSUNG

Transform Your Workflow

Digital Radiography

GC85A



EXPERIENCE
A New Healthcare
Solution

SAMSUNG



Enhance workflow and efficiency with 7S



GC85A delivers:

- Increased productivity and throughput**
 Serve more patients with comfort and convenience using Smart Control, which offers one-touch positioning. Gain flexibility and ease of use with a shared bucky.
- Diagnostic confidence**
 Rely on GC85A to capture precise, clear images that result in accurate diagnoses with wireless S-Detector and S-Align. Gain excellent image quality with S-Vue's reliably clear images, enhanced sharpness and clarity.
- Reduced operating costs and downtime**
 Improve cost efficiency and deliver uninterrupted patient care with S-Share compatibility. Decrease the total cost of ownership (TCO) with Save-power Mode, which lowers power consumption.

Smart Control

for ultimate ease of use



One-touch control

With one touch of the control panel's buttons, an operator can precisely position the entire system. The ability to easily reach the buttons enables the operator to focus on patient care.

Tilting receptor

The receptor is motorized, tilting from -20 degrees to 90 degrees, so it can be moved to various areas such as skulls or hands without the need for a table.

Ankle-to-skull height range

The receptor can be moved from a minimum of 280 mm (11 in.)* to a maximum of 1850 mm (73 in.) height.

* The minimum height of THU may vary depending on the ceiling height.

Experience unrivalled usability and convenience

Soft handling for effortless moving

The Tube Head Unit (THU) can be moved into position gently with only a small amount of physical pressure from two fingers, so the operator avoids becoming fatigued from pulling the unit.



Intuitive user interface for simplified operation

Fast preview within three seconds on the THU's 12-in. wide screen supports quick decision-making while continuously capturing multiple images. Intuitive icons and functions, such as positioning help on the THU and workstation, also simplify operation. An optional 23-in. FHD touchscreen monitor supports easy usage.



Smart Stitching** for convenient diagnostic use

Fast Smart Stitching can increase comfort for patients who find it difficult to stand for long periods of consecutive shooting. And, viewing a stitched image of a whole spine or long bone is more convenient for making clear diagnoses.



GC85A Control Panel

- 1. Preset Button – P, T, S, H**
Control of the entire system
- 2. Fast Up/Down Control**
One touch movement from bottom to top
- 3. Auto Tilting Control**
One touch movement from 0° to 90°
- 4. Slow Up/Down Control**
Precise Positioning switch for accurate placement
- 5. Auto Sync Control**
- 6. Auto Centering Control**
- 7. All Lock**
- 8. Tilting Angle Display**

Shared Bucky

for flexible efficiency



A shared bucky can be used on a table along with both S4335-W and S4343-W and without additional equipment. Users can share the S4343-W of GC85A wall stand or S-Detector of a compatible Samsung DR. In addition, the shared bucky with S4335-W can be placed in landscape and vertical directions to capture various images such as spinal images in tall, slender patients and wide, obese patients' abdomens.



Boost operational efficiency and save time



Wireless system for boundless operation

GC85A provides data transfer with an integrated wireless system that includes a wireless S-Detector, remote control and wireless foot switch. A remote control enables complete system operation, eliminating unnecessary and repetitive user movement. The operator can save frequently used positions and reuse them with a remote control.

Full automation for easy positioning

The THU, wall stand and patient table can be operated automatically. With Auto Positioning, users can select from more than 500 pre-programmed positions. Efficient Auto Tracking eliminates repetitive checking of the THU's center, detector and fit.

Multi-tasking to save valuable time

GC85A operators can get ready for the next during post processing. They can save time by selecting the next procedure protocol or changing parameters without delays, which is especially useful during Smart Stitching.



More than 500 pre-programmed exam positions



S-Detector

for imaging clarity, flexible use and dependability



High Detectable Quantum Efficiency (DQE) for excellent imaging

Wireless direct deposition type S-Detector with high DQE displays the patient's anatomical structure clearly. The efficiency of radiation is improved, ensuring high image quality without increasing dose, as compared to previous indirect type detectors.

Varying sizes for optimal use

Three sizes of S-Detectors are available (S4343-W, S4335-W and S3025-W), which enables personalized care for pediatric to bariatric patients and ensures optimized images for various body areas, such as hands, chests or spines.

Lightweight S-Detector and grid for more ease and flexibility

A lightweight wireless detector gives users the freedom to position the unit quickly and easily so a greater number of patients can be served. A patented portable grid can be conveniently and comfortably placed under patients.

Great durability and impermeable design for reliable operation

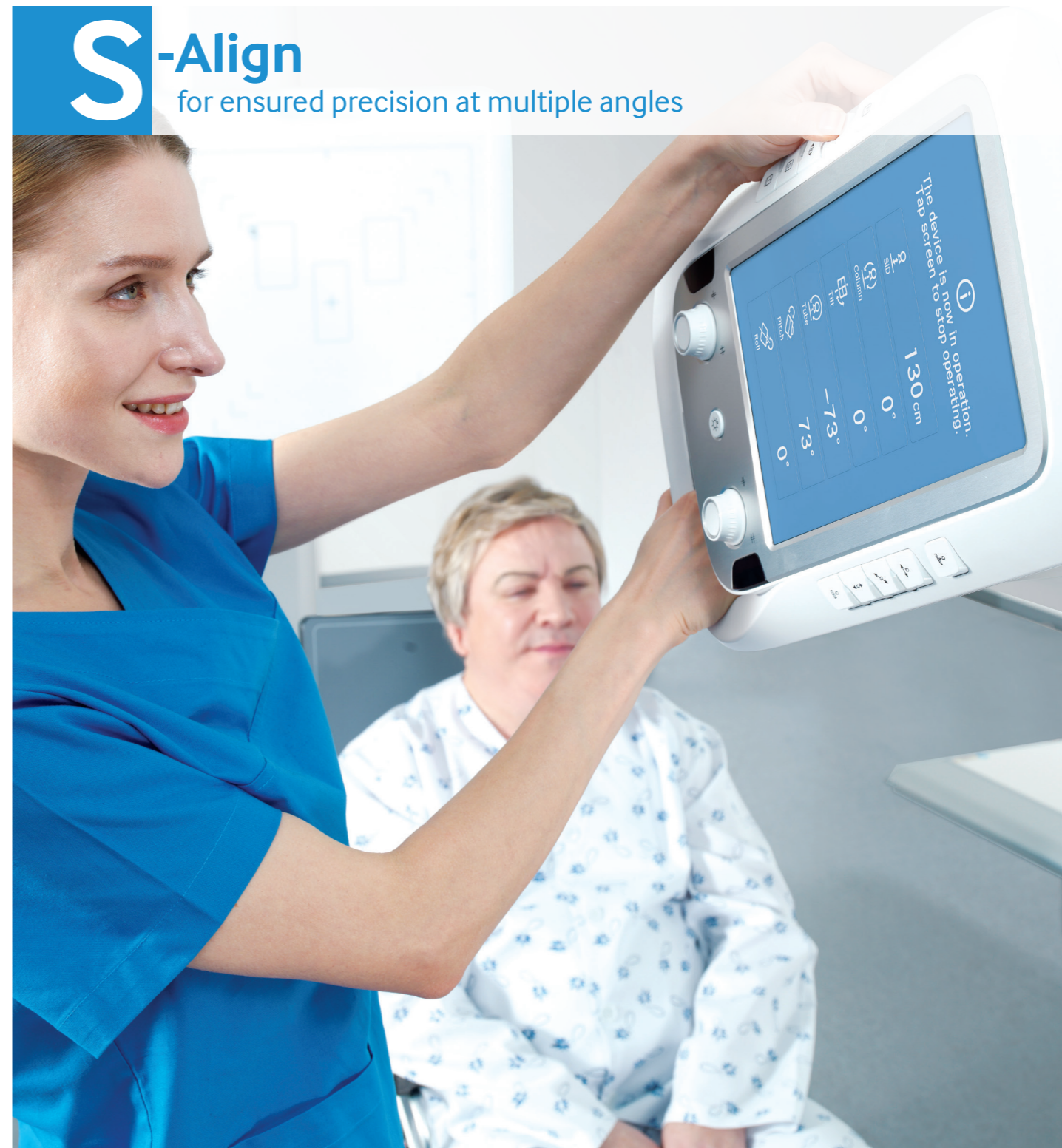
S3025-W is water-resistant to protect it from liquid sprays and dust in all directions. The product is durable against unexpected contact with substances such as blood, body fluids and liquid and powdered medication, and can be easily cleaned.* S-Detector can withstand up to a maximum of 150 kg (330 lb.) distributed weight.

* S3025-W features International Protection Marking code (IP54)-level protection.

Capture high quality images for precise diagnoses

S-Align

for ensured precision at multiple angles



S-Align provides precise alignment for superior imaging and efficiency. When using S-Detector for free exams, S-Align displays the detector's angle to the THU for precise alignment and enhances the quality of imaging. Also, when the THU and detector are within a certain radius, the angle can be automatically aligned. This capability reduces repetitive exposure and saves time.

S-Vue

for clarity and quality



Consistently clear images

S-Vue delivers reliable and superior imaging, even with various patients' anatomical structures and shooting conditions. A precise auto shutter improves consistency.

Enhanced sharpness and clarity

Advanced noise filtering clearly displays thick areas such as sacra and hip joints. Improved definition and clarity enable the detailed display of pulmonary vessels and clear views of superimposed structures. In addition, even in the presence of implants, regions of interest are displayed clearly, reducing the confusion caused by artifacts.

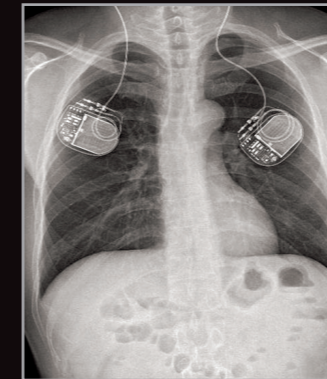
Adjustable contrast presets

The contrast can be set according to user preferences to simplify image optimization.

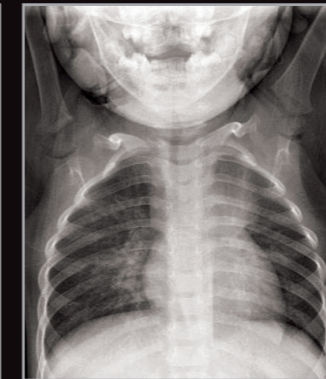
Gain diagnostic confidence with superior imaging

Consistently clear images

Chest



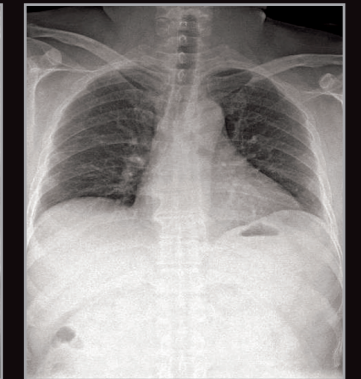
Case1. Patient with pacemakers



Case2. Pediatric patient



Case3. Adult patient



Case4. Obese patient

Abdomen



Case1. Pediatric patient



Case2. Large patient



Case3. Patient with Catheter

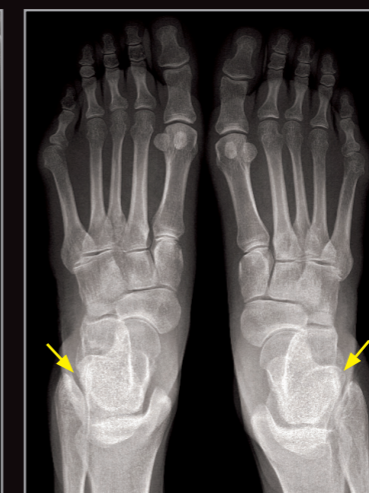


Case4. Patient with Catheter

Enhanced sharpness and clarity



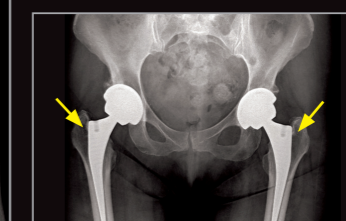
Lumbar-sacral Spine Lateral



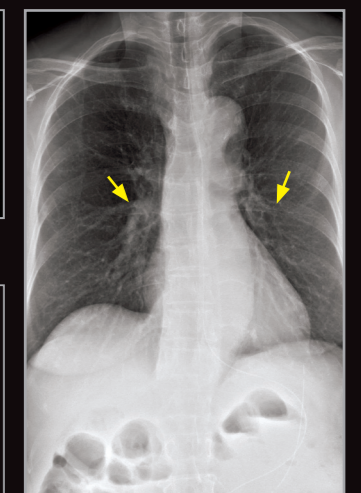
Foot AP



Hand AP



Pelvis AP



Chest PA

S-Share

for continuity, utilization and efficiency



Ceiling Digital X-ray
GC85A



S-Detectors



Mobile Digital X-ray
GM60A

Improve efficiency with continuous operation

S-Detectors (S4343-W, S4335-W and S3025-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 provides cost-efficiency by enabling customizable detector configurations when purchasing GC85A. This flexibility satisfies unique clinical needs and gains maximum results from minimal expenditure.

* Compatible Samsung DR systems may vary by country.

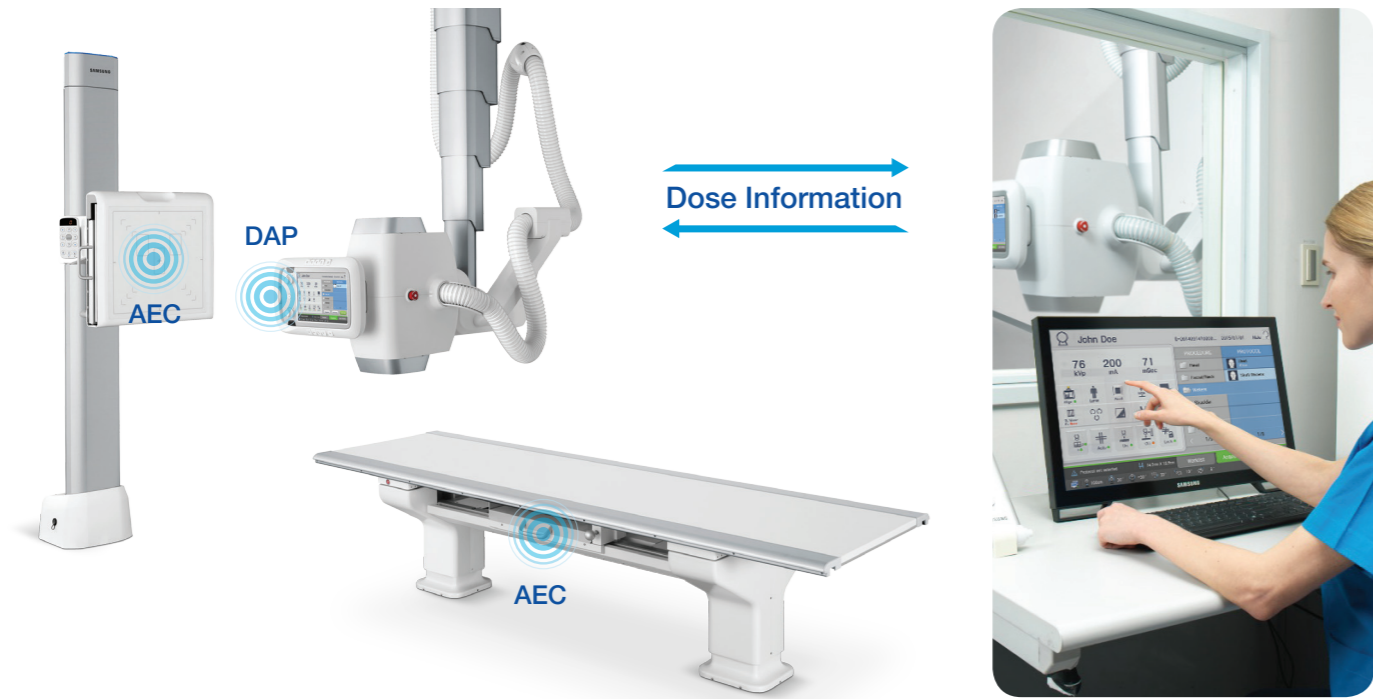
Save-power mode

for eco-friendly, cost-efficient operation

When the equipment is in Standby mode, the system supports Ready to Scan and Save-power modes. Save-power mode can lower power consumption by reducing electricity usage by more than 30% compared to Ready to Scan mode. This capability reduces operating costs and helps protect the environment.



Increase patient safety



Individual blade control

A 4-axis individual blade control function reduces unnecessary radiation dosage by enabling only specific radiation areas to be set as needed. This function is especially useful for pediatric chest examinations.

Dose reports for more efficient management

GC85A can send a variety of shooting condition information, such as Source to Image Distance (SID), Auto Exposure Control (AEC) and X-ray dose (mGy) information measured by the Dose Area Product (DAP), to the Picture Archiving and Communication System (PACS) to support effective dose management. The dose report can be saved, retained and used on a USB or DVD device in JPG or DICOM formats.

Auto Exposure Control (AEC)

Sensors automatically set the proper X-ray conditions based on measurements of the patient's body region thickness. This feature prevents excessive radiation exposure.

Collision avoidance system

Six sensors can detect patients' and users' movements to avoid collisions.

Reduce downtime and enhance operations

Value Care Services for reduced downtime

Downtime can be diminished with a maintenance solution that is available 24/7, 365 days a year.*

Remote Maintenance System (RMS)

The system enables continuous monitoring of system errors, along with 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 services

Samsung helps clients use the latest products through optional detector upgrades, along with hardware and software upgrades that are either free or provided through a cost-of-service charge, depending on the agreement terms and conditions.

Service offerings

Samsung offers clients the flexibility to choose services 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.