

# Fundamentally Digital

Digital Radiography  
**GR40CW**



# Easier approach to Digital Radiography with simple installation

Easily convert your analog/CR system into an advanced DR system with GR40CW.

GR40CW is the same size as film/CR cassettes, allowing you to upgrade your old equipment to DR system without unnecessary hassle. Auto Exposure Detection (AED) recognizes exposure timing automatically without a cable connection between the X-ray generator and detector, thus enabling simple installation.

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Experience streamlined workflow

02

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## Experience streamlined workflow

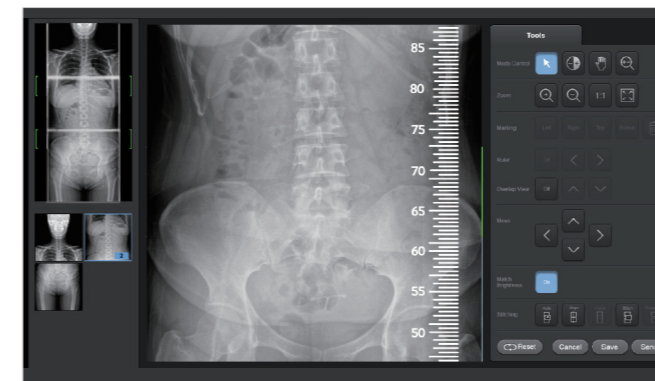
### 3-step workflow

GR40CW allows users to simplify their daily routines. With GR40CW, workflow is three times faster than with CR system. By reducing workflow steps, it reduces cost and time while increases productivity.



### Convenient diagnostic use

Manual Stitching\* can capture a body part that is larger than the detector's area. This makes viewing a larger area of the body more convenient by capturing multiple images.



### Fast preview

Preview and acquisition take less than 2 seconds, and full acquisition less than 6 seconds.<sup>1)2)</sup> It is easy to shoot multiple images after checking the preview image.

- 1) Image acquisition time may vary according to the image processing parameters and detectors.
- 2) Fast preview time using AccE Detector (S4343-AW, S4335-AW, S4335-AWV), AccE Standard Detector (S4343-AWM, S4335-AWM)

\* Optional feature requiring additional purchase

### 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.



### Mirror View\*<sup>3)</sup>

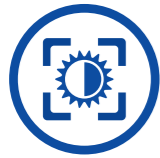
In the ER/OR or Trauma environments, multiple medical staff may often need to quickly acquire and check images in real-time. In such environments, Mirror View provides secured screen sharing using Wi-Fi CERTIFIED Miracast™. This function supports medical staff to check images together on a separate screen; it can reduce first aid response time and the risk of contamination.

3) When using Mirror View, the image transmitted via Miracast is not available for the purpose of diagnosis.

# Experience diagnostic confidence

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

S-Vue™ provides excellent, high resolution images 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

Advanced 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.



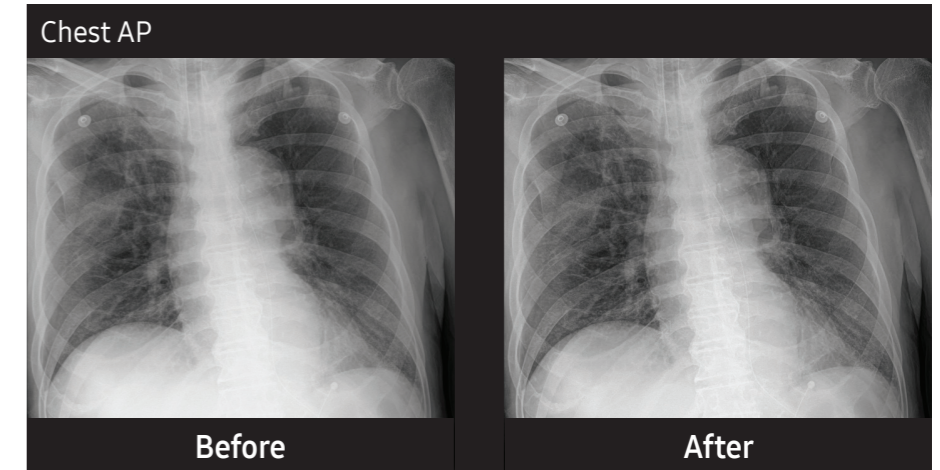
### Great depth and dynamic image range

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.



## SimGrid™\*

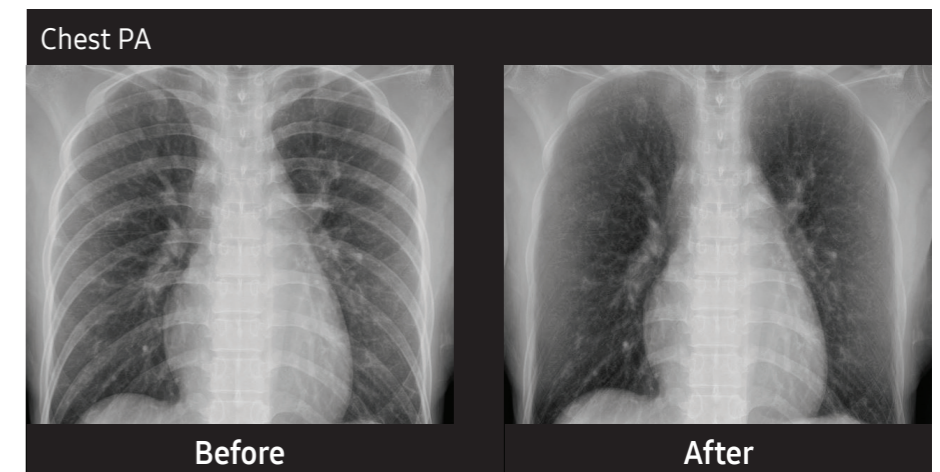
With just a click, SimGrid™ allows you to provide better patient care with higher satisfaction and reduced retake rates without the use of a portable grid. It improves image contrast by reducing scatter radiation effects and creates better image quality. The 3-step intensity control (Low/Medium/High)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



These images were taken with GM85.

## Bone Suppression\*

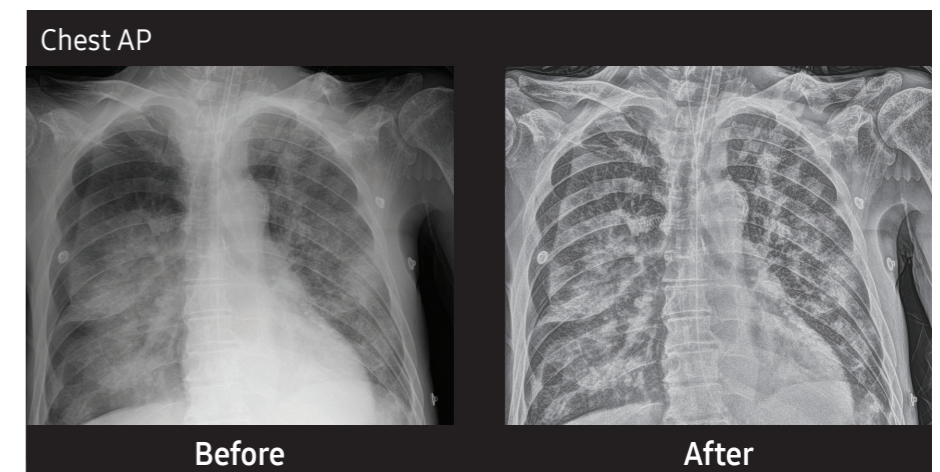
Bone Suppression improves the clarity of soft tissues by suppressing the appearance of bones, which improves your ability to read ROIs in chest images. You can easily create the companion image with a single click.



These images were taken with GC85A.

## 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. The companion image is created easily without additional settings or x-ray exposure, streamlining the workflow.



These images were taken with GM85.

\* Optional feature requiring additional purchase

# Experience diagnostic confidence

## AccE Detector

AccE Detector is Samsung's premium detector line-up improving on durability, environmental protection, and ergonomics to enrich the user experience.



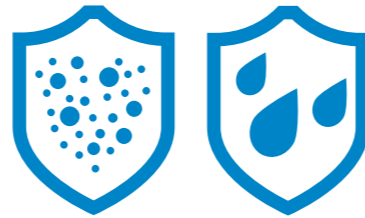
## AccE Standard Detector

AccE Standard Detector is the latest addition to expand customers' choice of detectors. It will be an economic option to easily upgrade your x-ray equipment to fully digital.



### Answer to Versatile Environment

Enhanced load allowance<sup>1</sup> along with dust and water resistance<sup>2</sup> 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.



### Enhance Your Daily Workflow

User-centric design of the detector support patient positioning and alleviate daily burdens.



**CENTER-ENGRAVING**  
to help position the patient



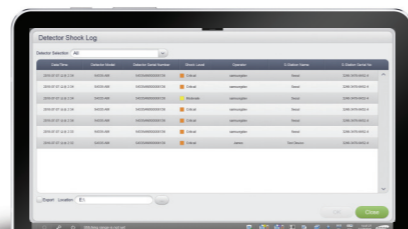
**SIDE CHAMFER**  
to ease your lifting



**REAR GRIP**  
to support transportation

### Manage Your Detector Wisely

Continuous status tracking of the detector will upgrade user confidence and guarantee uptime. Features such as real-time shock sensing<sup>3</sup> and detector auto correction<sup>3</sup> will allow the detector to be in shape for use and help you respond quickly to critical detector shocks.



Real-time Shock Sensing

1) Allowed Point Load (4cm radius on the center) : 200 kg (441 lb), Surface Load : 400 kg (882 lb)

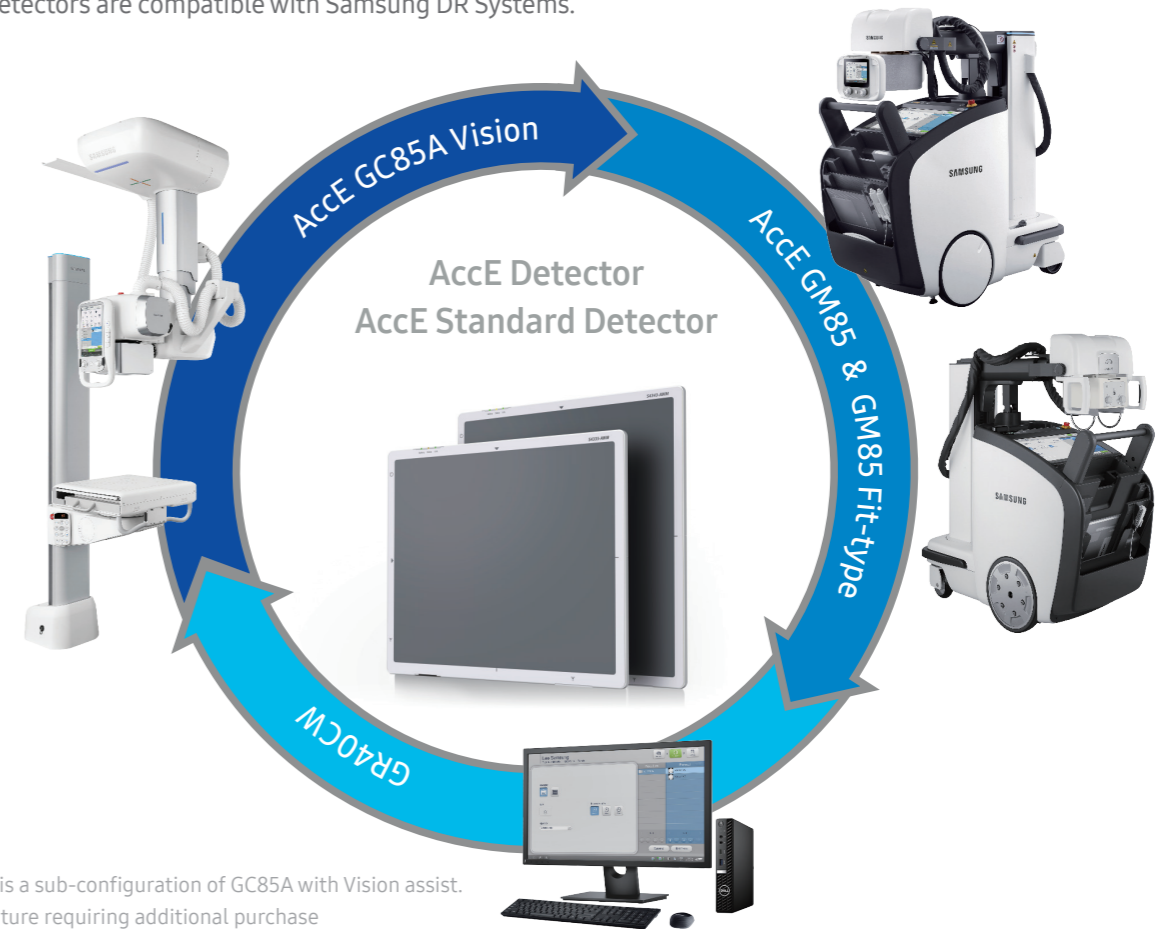
2) Dust & Water Resistance : IP54 (IEC 60529)

3) This feature is only for AccE Detector. (S4343-AW, S4335-AW)

# Experience enhanced operation

## Strategic investment with S-Share™\*

Samsung Detectors are compatible with Samsung DR Systems.



GC85A Vision is a sub-configuration of GC85A with Vision assist.

\* Optional feature requiring additional purchase

## 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

You have the flexibility to choose from our wide range of service and support programs to create a tailored program that meets your unique requirements.

· Maintenance service availability may vary by country.

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

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### GR40CW Catalog v4.4-221028



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