

# Imaging Solution with Samsung GR40CWD

Experience advanced imaging technology



**EXPERIENCE**  
A New Healthcare  
Solution

**SAMSUNG**

# Experience Samsung Imaging Technology

## Choose to optimize your configuration according to your need

Samsung Imaging Solution can be used with various Del Medical systems.

The compatibility has been verified, allowing both system to be operated conveniently at one screen. Additionally, Imaging Solution can set up the exposure condition according to Hospital Information System. Experience Samsung's imaging technologies with S-Vue™, Samsung detectors and advanced applications at an affordable price by choosing the right system that fit your needs.



\* Compatible model can be changed later.

NC/NF Series are integrations of Del Medical OTC/FMT Series and Samsung GR40CWD.

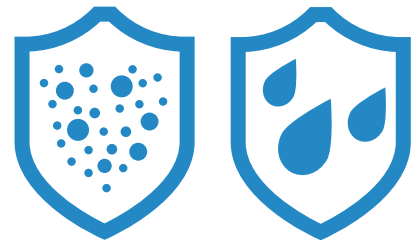
# Experience Diagnostic Confidence



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

## 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 bedside in ER, Trauma, and stretcher examinations.



## Enhance your daily workflow

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



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



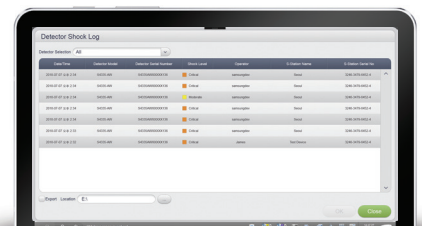
**SIDE CHAMFER**  
to ease your lifting



**REAR GRIP**  
to support transportation

## Manage your detector wisely

Real-time shock sensing of the detector will help identify when additional training for proper detector handling is necessary. Detector auto correction helps maintain uptime without the need to call for on-site service.



Real-time Shock Sensing

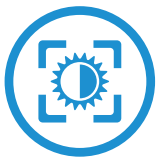
1) Allowed Point Load (4cm radius on the center) : 200 kg (441 lb), Surface Load : 400 kg (882 lb)  
2) Dust & Water Resistance : IP54 (IEC 60529)

# Experience Advanced Image Quality

## 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.



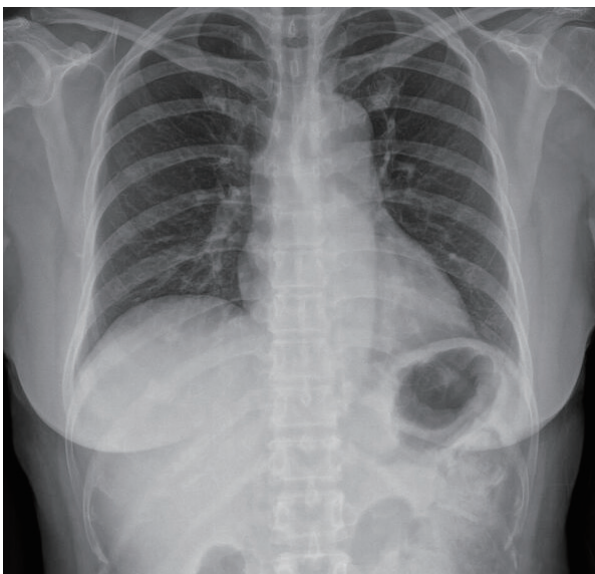
### Great depth and dynamic image range

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.

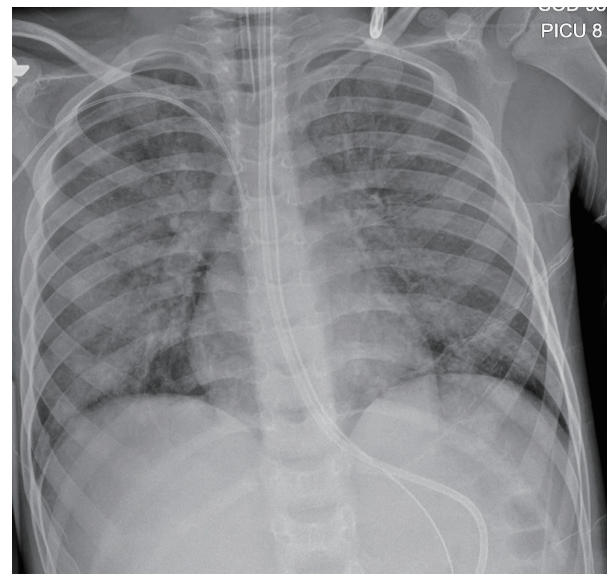


### Low dose in new S-Vue™

S-Vue™ not only provides better 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.



Case 1. Adult Chest PA\*



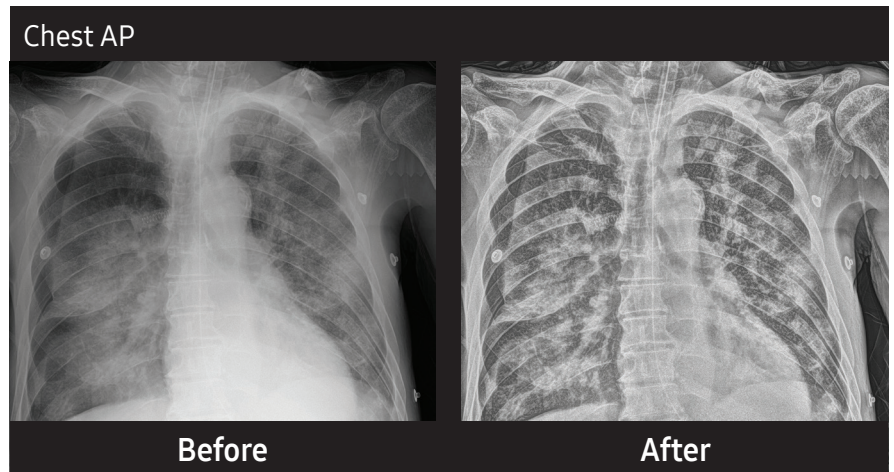
Case 2. Pediatric Chest AP\*

\* Case 1 was taken with Samsung GC85A and Case 2 was taken with GM85.  
The S-Vue™ imaging processing engine is used in all Samsung DR systems.

# Experience Enhanced Clinical Benefit

## S-Enhance\*

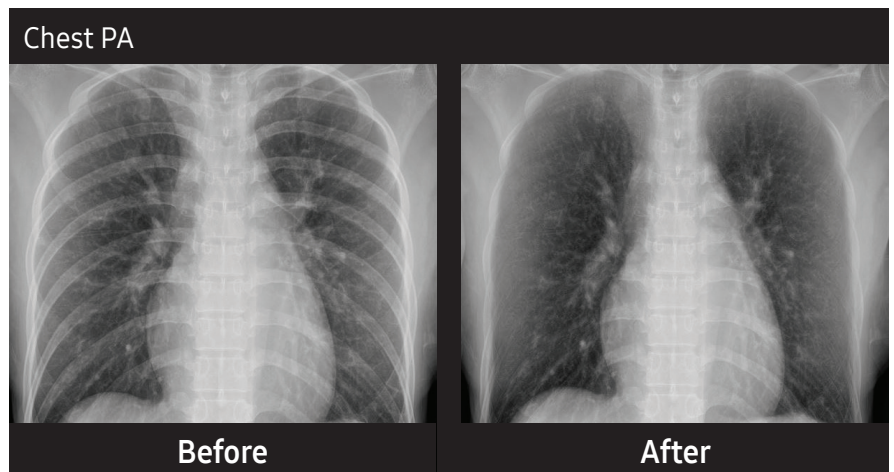
To support your diagnosis, S-Enhance improves the clarity of foreign bodies (e.g. tube, line and/or needle) in images of chest, abdomen, and L-spine. The companion image is created easily without additional settings or x-ray exposure, streamlining the workflow.



Images were taken with Samsung 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.



Images were taken with Samsung GC85A.

## Remote View\*

Remote View function allows remote access to view the current image on the workstation through a web browser. You can easily access the configured DICOM image using web-based program with the IP address designated for the system. This feature is especially useful in ER(Emergency Room) and Trauma environments.



Image was taken with Samsung GC85A.

\* Option

# Experience Enhanced Workflow

## Intuitive User Interface

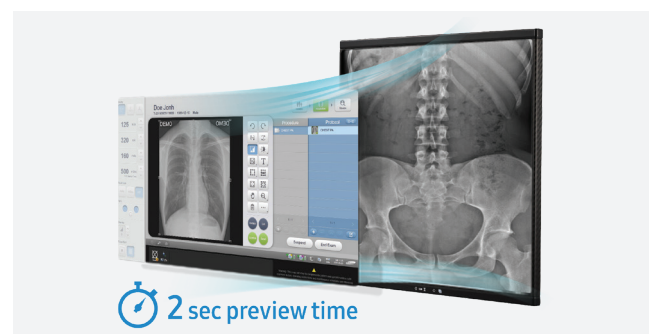
The workstation's intuitive interface enables users to easily operate the system. Anatomical Programmed Radiography (APR) selects the appropriate imaging method for the areas being imaged to help ensure quick examinations.



## Fast Preview

Preview and acquisition take less than 2 seconds, and full acquisition less than 7 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 of AccE Detector is 2 seconds and S-Detector™ is within 3 seconds.



## Manual Stitching\*

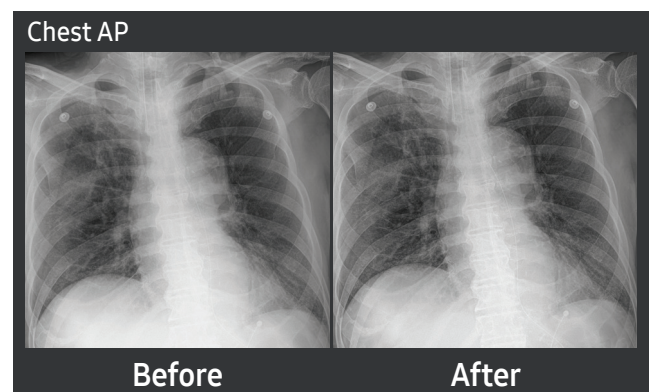
Manual Stitching easily assists the technologist in creating one image from multiple acquisitions for long-leg and scoliosis exams, without the need for specialized equipment.

\*\* Two to five images available.



## 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.



Images were taken with Samsung GM85.

\* Option

# Technical Specifications

## System

Model name	NC70	NC60	NF50	NF45	NF40
Table	6 way	6 way	6 way	4 way	4 way
Stand	w/ tilting	w/ tilting	w/o tilting	w/o tilting	w/o tilting
	w/o tilting	w/o tilting			
HVG (DSS†)	80 kW (O)	80 kW (O)	80 kW (O)	50 kW (X)	50 kW (X)
	65 kW (O)	65 kW (O)	65 kW (O)	40 kW (X)	40 kW (X)
	50 kW (X)	50 kW (X)	50 kW (X)	32 kW (X)	32 kW (X)
			40 kW (X)		
Collimator	Auto	Auto	Auto	Manual	Manual
	Manual	Manual	Manual		
Bucky	Heavy duty cassette tray				
	Rotating (Op. 4335 only)				
Auto Tracking	Available	N/A	N/A	N/A	N/A
Detector (1D)	S4335-AW	S4335-AW	S4335-AW	S4335-AW	S4335-AW
	S4343-AW	S4343-AW	S4335-AWV	S4335-AWV	S4335-AWV
			S4343-AW		
Detector (2D)	Available (S3025-W available)				
PC	CPU : Intel® Xeon® Processor / Intel® i7 Processor RAM : 8 GB, HDD : SSD 128 GB + HDD 1 TB OS : Window10				

† DSS : Dual Speed Starter

## AccE Detector

		S4343-AW	S4335-AW	S4335-AWV	S3025-W
Detector type		CsI (Direct deposition), Amorphous Silicon TFT	CsI (Direct deposition), Amorphous Silicon TFT	Gadox, Amorphous Silicon TFT	CsI (Direct deposition), Amorphous Silicon TFT
Effective area		43 cm x 43 cm (17 in x 17 in)	43 cm x 35 cm (17 in x 14 in)	43 cm x 35 cm (17 in x 14 in)	30 cm x 25 cm (12 in x 10 in)
Weight		Typ. 3.60 kg (Typ. 7.94 lb)	Typ. 3.00 kg (Typ. 6.61 lb)	Typ. 2.80 kg (Typ. 6.17 lb)	Typ. 1.63 kg (Typ. 3.59 lb)
Image acquisition times**	Wireless*	Preview < 2 sec Final image < 8 sec	Preview < 2 sec Final image < 7 sec	Preview < 2 sec Final image < 7 sec	Preview < 2 sec Final image < 6 sec
	Tethered	Preview < 2 sec Final image < 7 sec	Preview < 2 sec Final image < 6 sec	Preview < 2 sec Final image < 6 sec	Preview < 2 sec Final image < 5 sec
Battery recharging time		3 hours (Battery charger) 6 hours (Tethered)			
Battery life		500 images during 4 hours			160 images during 4 hours (at 90sec/cycle)
Dust & Water resistance		IP54 (IEC60529)			

\* It depends on wireless condition.

\*\* It depends on the image processing parameters.

Please contact your local sales team for other detectors(S4343-W, S4335-W, S4335-WV).

NC/NF Series are integrations of Del Medical OTC/FMT Series and Samsung GR40CWD.

Product (incl.options, features, etc.) regulatory approval/clearance status may vary by country.

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## GR40CWD Catalog v1.1-200120-EN



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

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