

SAMSUNG

GR40CW

The **GR40CW** DR Panel converts an existing analog/CR system into a superior DR system. Because it's the same size as film/CR cassettes, it can easily upgrade older equipment. Auto Exposure Detection (AED) recognizes exposure timing automatically without an interconnect to the X-Ray generator thus permitting easy and simple installation and maintenance.



Enhanced Workflow

3-step Workflow

GR40CW allows users to simplify their daily routines.

With GR40CW, workflow is three times faster than with CR systems.

By reducing workflow steps, it reduces cost and time while increases productivity.

CR system




DR system



Cost & time saving



 2sec preview time

Fast Preview*

Preview and acquisition take less than 2 seconds, and full acquisition less than 7 seconds. It is easy to shoot multiple images after checking the preview image.

* Image acquisition time may vary according to the image processing parameters and detectors.

* Fast preview time using iQuia™ Detector (A4335-AW)

Conventional Diagnostic Use

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

* Option

** Two to five images available.





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.

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 OR(Operation Room) or ER(Emergency Room).

* Option, this image was taken with GC85A.



Diagnostic Confidence

iQuia™ Detector

iQuia™ Detector is a new introduction to the Samsung DR prestige line-up to accelerate connection and promote synergy between the systems. Enhanced load allowance* along with dust and water resistance allows the detector to be actively implemented in versatile environments. Its robust design will improve your workflow and alleviate daily burdens.

* Allowed load (Point load, 4cm radius on the center): 200 kg



IP54 (IEC 60529)



Water resistance



Dust resistance

Diagnostic Confidence

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.

The dose level can be reduced up to 45% dose reduction for pediatric abdomen, 15.5% for pediatric chest, and 27% for pediatric skull exams with the new S-Vue™ engine.*

Case1. Pediatric Chest PA

Conventional



16.1 μ Gy

Low Dose



13.7 μ Gy

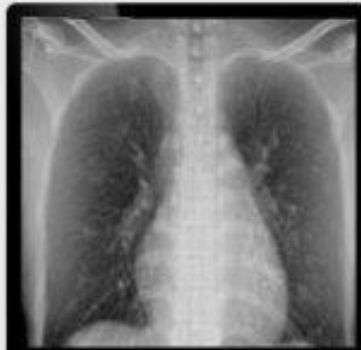


* Note: The data concerning Samsung DR is based on limited phantom and clinical study results. Only routine PA chest radiography and abdominal radiography for average adults and pediatric abdominal, chest, skull radiography were studied, excluding pediatric patients under 1 month old. (FDA cleared - K17229, K18218) 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.
** Case 1 image was taken with GMBS. (Case 2,3 images were taken with GC35A.





Chest PA
without Bone Suppression



Chest PA
with Bone Suppression



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.

* Option, these Images were taken with GC85A.



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.

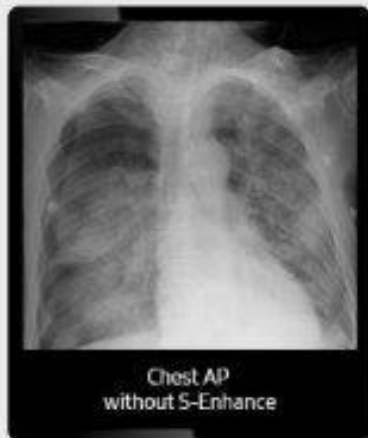
* Option, these Images were taken with GM85.



Chest AP
without Grid



Chest AP
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.

* Option, these Images were taken with GM85.



Auto Lung Nodule Detection* **

Our first computer-aided detection solution helps boosting healthcare professionals to focus on their clinical needs. Multiple deep learning algorithms crafted for Auto Lung Nodule Detection help predict lung nodule in general chest radiography as a second reader.

* Option, these Images were taken with GC85A.

** This feature is not commercially available in any country (No FDA/MFDS clearance).



S-Share™*

S-Share™ can dramatically increase efficiency through the use of iQuia™ Detector with various existing compatible equipment. It enables accelerating connection for better synergy with prestige digital radiography systems.

* The S-Share of S4335-AW and S4343-AW is available only for iQuia™ GC85A, iQuia™ GM85, and GR40CW.



Auto Exposure Detection (AED)

With the same size film or CR cassettes, GR40CW easily upgrades an analog or CR system to a superior DR system. Auto Exposure Detection (AED) recognizes exposure timing automatically without a cable connection between the X-ray generator and detector, allowing easy and simple installation.



Secure Your Care

Samsung Healthcare Cybersecurity

Intrusion Prevention



Tools for protecting against cyber threats
from external attacks

Access Control



Strengthened surveillance for tracking
the access of patient information

Data Protection



Encryption functions for safeguarding data
whether at-rest or in-transit.