

ACCELERATING EXPERIENCE



EXPERIENCE
A New Healthcare
Solution

SAMSUNG

ACCELERATING EXPERIENCE



Premium mobile digital radiography system
AccE GM85 provides ultimate driving experience
and advanced applications to support enhanced
usability and high image quality.

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ADVANCED DRIVING
EXPERIENCE

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INNOVATIVE ENHANCED
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S-View™





AccE Detector



Compact & Light



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S-Enhance



SimGrid™



Cybersecurity



ADVANCED DRIVING EXPERIENCE

Collapsible

Collapsible column with maximum height of 2,030 mm (6.7 ft) to secure a clear vision when driving the system.

2,030 mm(max.)
6.7 ft



Light

Ultra-light AccE GM85 only weighs 349 kg (769 lb) and allows easy maneuvering both in and out of elevators without worrying about the weight limit.

349 kg
769 lb



Compact

Easily access limited spaces with ultra-compact AccE GM85 even in narrow hallways or tight spaces. Collapsible column makes navigation safe by securing a clear view while moving the system.

555 mm
21.9 in



INNOVATIVE ENHANCED USABILITY



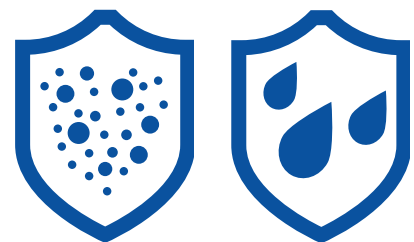
AccE Detector is the latest addition to Samsung's premium DR line-up improving on durability, environmental protection, and ergonomics to enrich the user experience.

NEW



Answer to Versatile Environment

Enhanced load allowance¹ along with dust and water resistance² 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.



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)

Enhance Your Daily Workflow

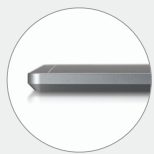
User-centric design of the detector to support patient positioning and alleviate daily burdens.



CENTER ENGRAVING
to help position the patient



REAR GRIP
to support transportation

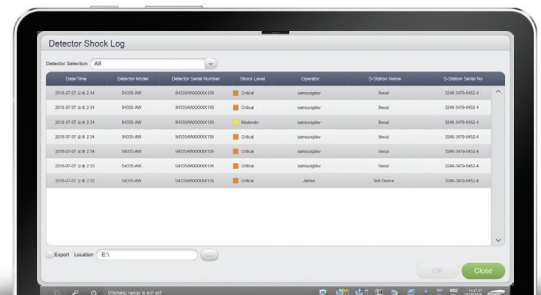


SIDE CHAMFER
to ease your lifting



Manage Your Detector Wisely

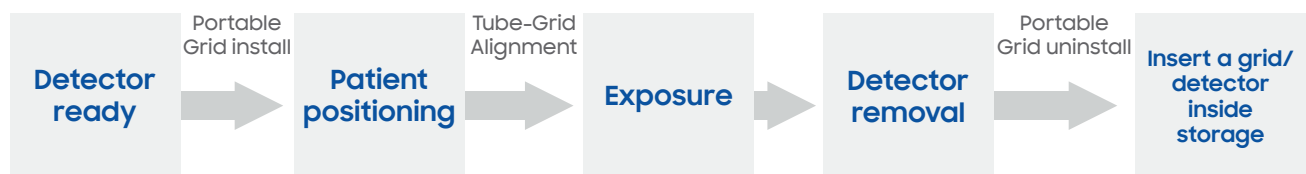
Continuous status tracking of the detector will upgrade user confidence and guarantee uptime. Features such as real-time shock sensing and detector auto correction will allow the detector to be in shape for use and help you respond quickly to critical detector shocks.



Real-time Shock Sensing

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.



Reduction of total exam time **28%**

*option

INNOVATIVE ENHANCED USABILITY

Time Saver Battery

AccE GM85 allows fast charging and efficient battery management. It powers up to 100 % within 4 hours and once fully charged, the long-lasting battery gives you the power to keep going for all day without additional charging.



- Charging time will vary according to the capacity of the wall outlet, which will be different for each country
- Fully charged battery supports 220 shots and 20 km (12.4 mile) of moving distance
- Test condition : 80 kVp/400 mA/5 msec/30 sec intervals, moving in maximum velocity (5.6 km/h)

SID Guide

SID Guide (Source to Image Distance)
supports detailed device positioning
with multiple SID settings.
(3 SID Types : 100/130/180 cm)



S-Align™

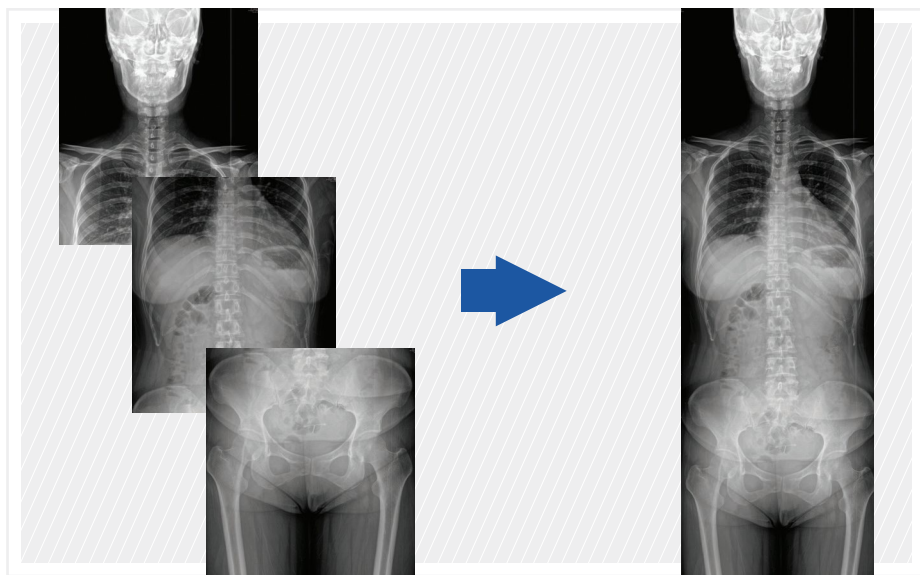
S-Align™ displays the detector's
angle to the THU for precise alignment
and enhances the quality of imaging.



INNOVATIVE ENHANCED USABILITY

Manual Stitching

Manual Stitching feature helps view images that are larger than the detectors area by combining multiple images into one.



Images were taken with GR40CW

Samsung Healthcare Cybersecurity

Bring peace of mind to your hospital and patients



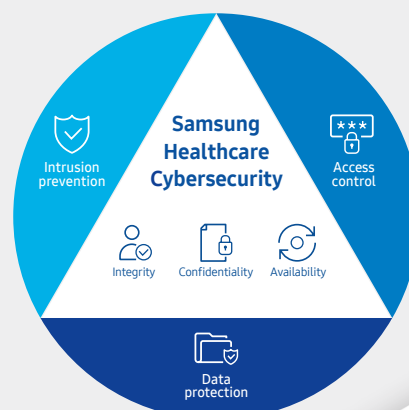
Tools for protecting against cyber threats from external attacks



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



Strengthened surveillance for tracking of patient information



**UL CAP
Certificate**

for software cybersecurity
of network connectable products

Multi-touch Screen

The Multi-touch function allows users to control and adjust images easily and intuitively with fingers only. Pinch gesture enables the user to zoom in and out while the two-touch shutter makes image cropping easy.



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 or ER.



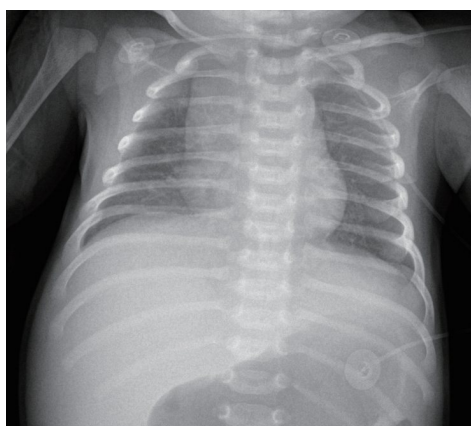
DIAGNOSTIC CONFIDENCE

S-View™ in Pediatric X-rays

Underaged patients are more radiosensitive than adults. Therefore, diagnostic x-rays should be justified and optimized to reduce unnecessary exposures, especially for pediatric patients. To alleviate these concerns, the new S-View™ engine helps achieve the optimal dose level for children during pediatric x-ray scans. 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-View™ engine. This is especially significant as abdomen protocols may include genital regions.



Case. Pediatric Chest PA*



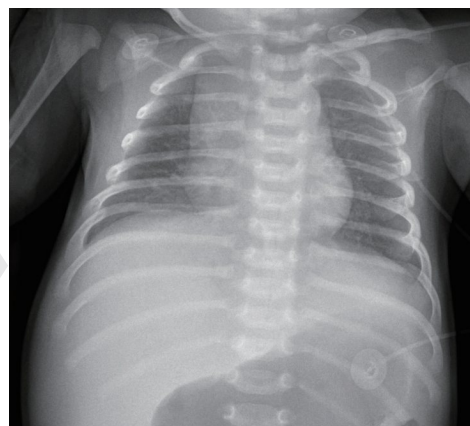
Conventional

16.1 uGy

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

15%

Dose Reduction



Low Dose

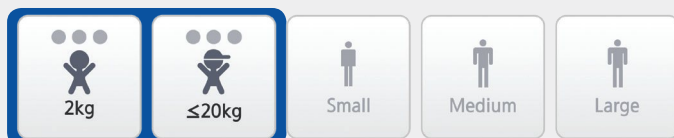
13.7 uGy

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

Pediatric Exposure Management

Optimized 6-stage weight dependent imaging enables pediatric patients to avoid unnecessary x-ray exposure using precise dose management, resulting in superior image quality.

Patient Size





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.



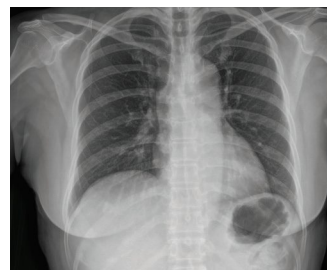
Our Pledge for Low Dose

Samsung's Low Dose campaign is going to change your ordinary X-ray experience into our low dose imaging experience. Our commitment to lower dose will help you give more care to the ones you love. We will accompany you as a lifetime partner in the right way.

S-Vue™ in Adult Chest X-rays

Chest x-ray scans are the most frequent radiography examinations for patients in hospitals. Therefore reducing dose in chest x-rays is significant as it allows scans to be taken with reduced dose level for increasing number of patients. With new S-Vue™ processing engine, it cuts dose by 50% to low dose level while keeping the image at high quality.

Case. Adult Chest PA*



Conventional

48.28 uGy

(BMI 25.6 / 120 kVp / 1.70 mAs / 0.85 dGy*cm²)

51%
Dose
Reduction



Low Dose

23.66 uGy

(BMI 25.6 / 120 kVp / 0.85 mAs / 0.42 dGy*cm²)

Images were taken with GC85A

S-Vue™ in Adult Abdomen X-rays

Dose exposure during abdomen x-ray scan is rather high in comparison to chest or other x-ray scans, making the dose reduction of this procedure critical. The new S-Vue™ engine allows up to 47.5% decrease in dose exposure with no compromise in image quality for better patient care.

Case. Adult Abdomen*



Conventional

410.36 uGy

(80.3 kVp / 5.91 mAs / 3.79 dGy*cm² / None Filter)

43%
Dose
Reduction



Low Dose

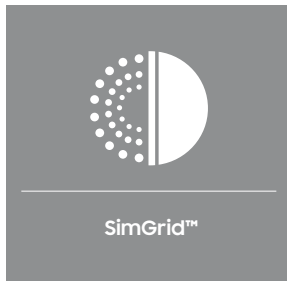
232.98 uGy

(72.3 kVp / 8.02 mAs / 3.12 dGy*cm² / 0.1 mmCu Filter)

Images were taken with GC85A

*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, K182183) 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.

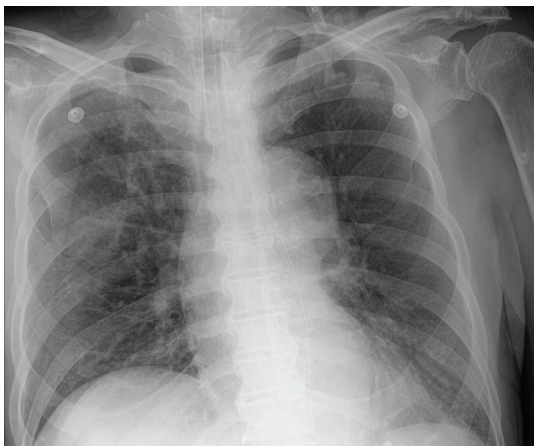
DIAGNOSTIC CONFIDENCE



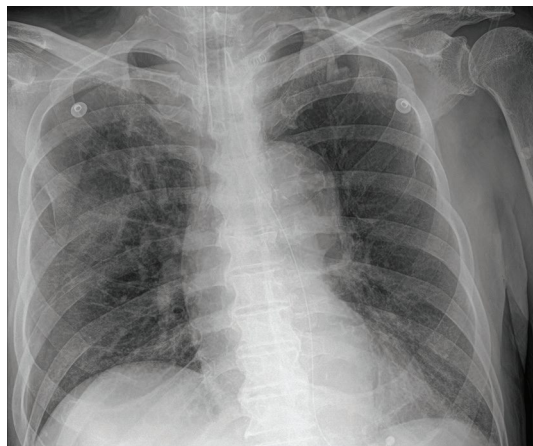
SimGrid™*

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.

Case. Chest AP



Without Grid



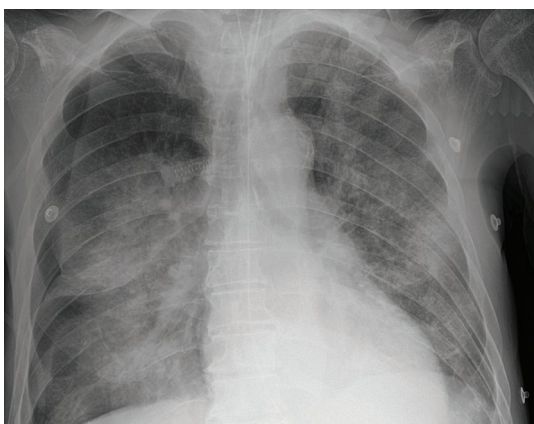
With SimGrid™



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



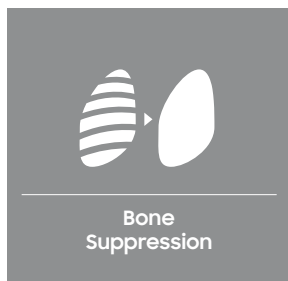
Without S-Enhance



With S-Enhance

* option

1) This feature does not have FDA clearance and is not for sale in the US.

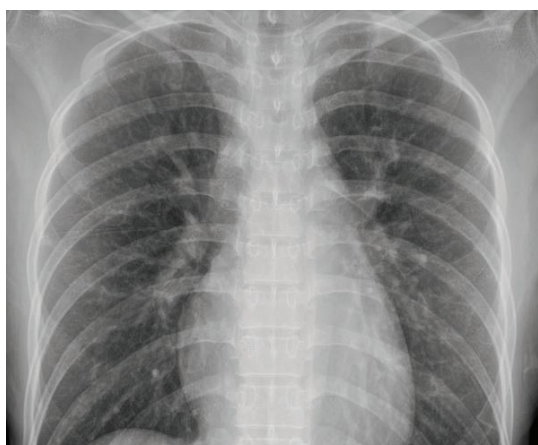


Bone Suppression *

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

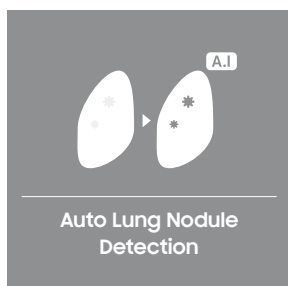
Images were taken with GC85A



Without Bone Suppression



With Bone Suppression



Auto Lung Nodule Detection ^{*1}

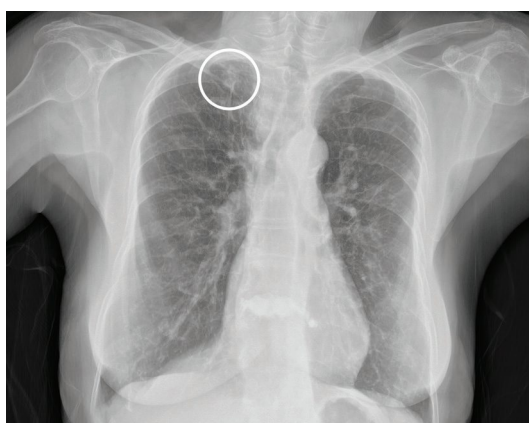
Auto Lung Nodule Detection is a computer-aided detection software to identify and mark regions in relation to lung nodules. It is designed to aid the physician to review the frontal chest radiographs of adults.

Case. Chest PA

Images were taken with GC85A



Without Auto Lung Nodule Detection



With Auto Lung Nodule Detection

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies.

The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

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