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Мобильная цифровая рентгенографическая система премиум-класса GM85 Fit



Powerful Battery Performance

Samsung is focusing more on efficient mobile DR imaging based on its accumulated battery technology.



- **Higher efficiency**
- **Shorter service time**
- **Longer lifespan**



- ¹200 ~ 240 VAC < 3 hours, 100 ~ 127 VAC < 4 hours
- ²Test condition: 80kV 160mA 5ms / Shot interval 60s (with driving 5.6km/h)
- ³Test condition: 80kV 160mA 5ms / Shot interval 10s (without driving)
- ⁴Standby: 18 hours for LCD on, 75 hours for power off

WHEN YOU GO TO START AN EXAM



At the moment you start working, GM85 Fit increases your work efficiency with the fast speed of booting up the system.

Quick Driving allows radiologists to move GM85 fit right away without waiting for the system to be fully ready.



Users can easily log in to the system through **embedded RFID badge tag**. It is a built in type in the equipment, so it reduces external interference.

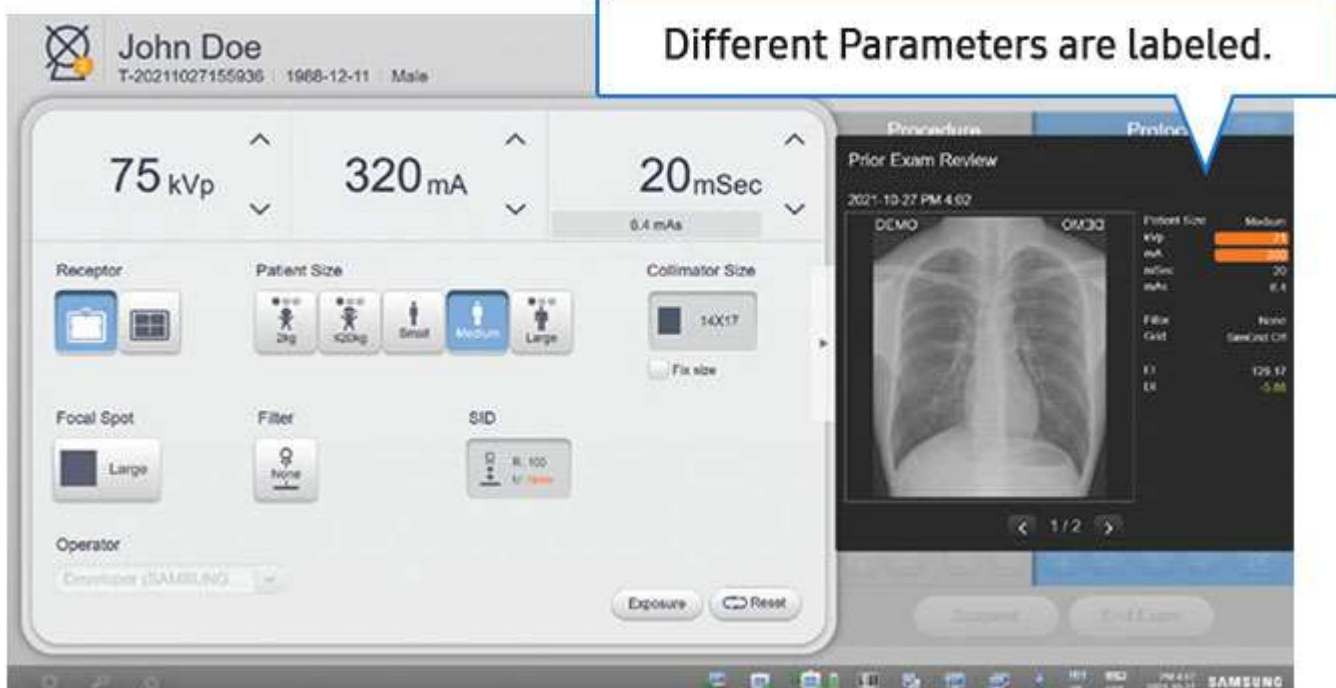


Additional Patient Information is useful when checking the list of patients requiring x-ray imaging. It intuitively shows infection and fall risk information and orders comments that support correct action for each patient. This helps keep patients and staff safe by responding to possible risks and taking preemptive measures. **Ultra-light AccE GM85** allows easy maneuvering both in and out of elevators without worrying about the weight limit.

WHEN YOU REACH A PATIENT



When checking the patient's identity after arriving at the room, **wireless barcode scanner** allows you to freely approach the patient and scan information without being restricted by obstacles that may be near you and patient. With **wireless hand switch** which supports up to 10 m (33 ft) range, users can take images from far away to reduce radiation exposure.



Prior Exam Review

Since the role of mobile DR equipment is usually to use follow-up exams, it is important to perform x-ray exams under the same conditions. **Prior Exam Review** function displays previous images and exposure parameters of the patient being examined. With a quick comparison, users can improve image consistency and reduce retakes.

WHEN YOU GET X-RAY IMAGES



¹**EasyClean**, which locks the screen for a while, helps you clean the system quickly control infection effectively.

²When using the Mirror view, image transmitted via Miracast is not available for the purpose of diagnosis.

In portable exams, radiologic technologists rotate images after the acquisition as the image orientation depends on the exam environment. **Image Auto rotation** detects the rotation angle of the chest/abdomen/pelvis/infantogram image and automatically rotates in the correct direction. **The auto-run option** of advanced applications creates the companion image without additional settings or x-ray exposure. In the ER/OR or Trauma environments, multiple staff may often need to quickly acquire and check images in real-time. **Mirror View**² provides secured screen sharing using Wi-Fi CERTIFIED Miracast™. This allows staff to check images together on a separate screen, reducing the time to first aid and the risk of contamination. Through **QuickLink**, you can check whether the acquired images uploaded well.

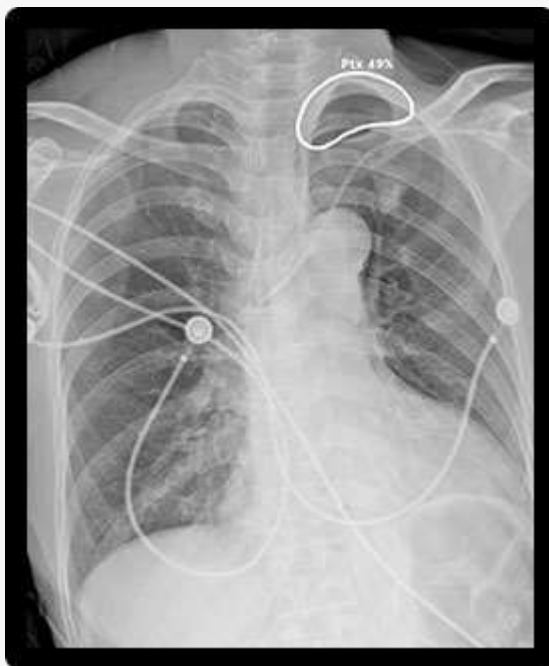
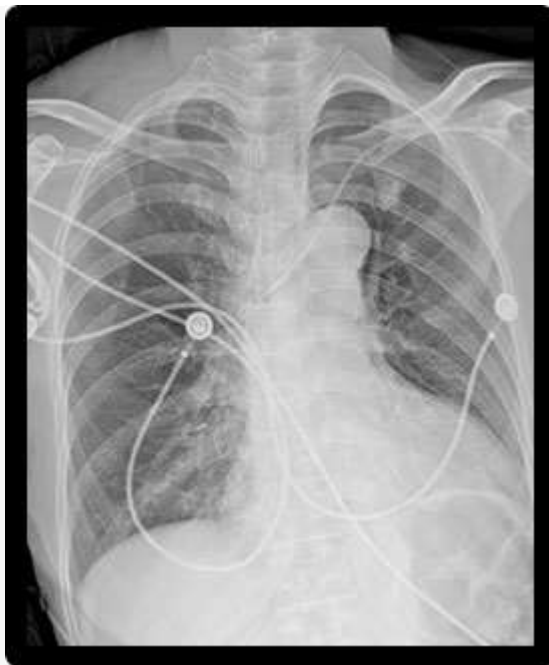
Water resistant detector for easy cleaning

IP54



Detector rest
for easy bagging





On-Device CAD*

Samsung's new On-Device CAD solution with VUNO Med®-Chest X-ray™ assists you to diagnose more efficiently and accurately by automatically detecting the 5 most common thoracic findings in emergency care.

* Optional feature requiring additional purchase

5

Nodule/Mass · Consolidation · Interstitial Opacity
Pleural Effusion · Pneumothorax



Chest AP
without Grid



Chest AP
with SimGrid™

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.

* Optional feature requiring additional purchase



Chest AP
without S-Enhance

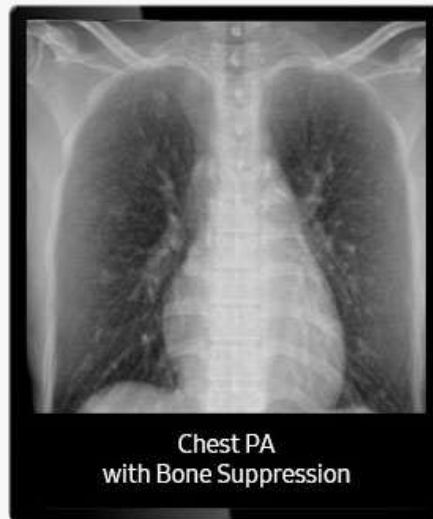


Chest AP
with S-Enhance

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.

* Optional feature requiring additional purchase



* These image were taken with GC85A.

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.

* Optional feature requiring additional purchase

Up to **45%** Dose reduction

for very young patients

Low Dose in 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. 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 advanced denosing algorithm.

Pediatric Chest PA

Conventional



16.1 μ Gy

Low Dose



13.7 μ Gy

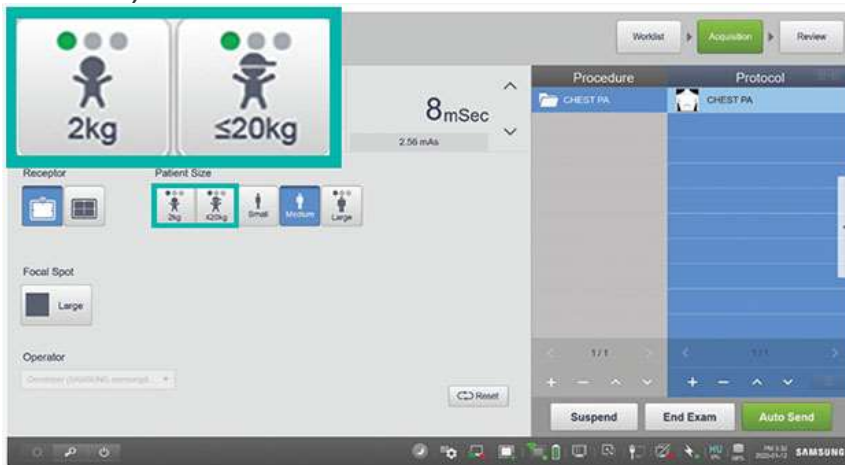
* Note : The claim concerning Samsung DR is based on limited phantom and clinical study results. Only routine PA chest radiography and abdominal radiography for average adults and pediatric abdominal, chest, skull radiography were studied, excluding pediatric patients under 1 month old. (FDA cleared -K172229, K182183) In practice, the values of dose reduction may vary accordingly.

These clinical images calculates 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.

6 stages 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. Users who need detailed control can apply 3 types of **additional filters**. (0.1/0.2/0.3 mm Cu)



Less than **43 dB** When the system is on stand by

GM85 Fit allows low noise operations that do not disturb other patients, such as neonatal patient. With **night mode** on, the screen color, temperature, and sound volume are accordingly adjusted. It will be a necessary function for taking x-ray exams in a quiet environment such as NICU. Its **quick exposure** feature is useful for young patients who are not easy to maintain stationary posture.

*American Academy of Pediatrics (AAP) recommendation in NICU ≤ 45 dB



Secure Your Care

Samsung Healthcare Cybersecurity

- **Intrusion Prevention**

Tools for protecting against cyberthreats 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

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