

About Samsung

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We employ 307,000 people across 84 countries with annual sales of US \$196 billion. To discover more, please visit our official website at www.samsung.com and our official blog at global.samsungtomorrow.com

For more information

For more information about Samsung GC80, visit www.samsung.com/healthcare

CT-GC80 3.0-160222-EN

	GC80
Tube	600kHU
HVG(Generator)	80kW
Soft Handling	O
Auto Positioning	O
Smart Stitching	Option
Wireless Detector	S3025-W, S4335-W, S4343-W

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SAMSUNG

Experience Boundless Performance

Digital Radiography GC80



SAMSUNG



GC80 for a new healthcare solution

The GC80 delivers high-quality Digital Radiography performance and maximizes user experience along with a simplified workflow. The GC80 provides a new healthcare solution by increasing your throughput and improving your workplace.



Exceptional images for diagnostic accuracy

Improved diagnostic capability with S-Detector

- **High DQE for excellent imaging**

Newly developed S-Detector displays the patient's anatomical structure clearly with high Detective Quantum Efficiency (DQE). The efficiency of radiation and spatial resolution are improved compared to previous indirect type detectors, reducing radiation needed to ensure high image quality.

- **Varying sizes for optimal use**

S-Detectors are available in three different sizes (S4343-W, S4335-W and S3025-W), providing personalized care from pediatric to bariatric patients and ensuring optimized images for different sizes of body parts, such as hand, chest or spine.

- **Great durability for reliable operation**

S3025-W is water-resistant to protect it from liquid sprays and dust in all directions. The unit's water resistance also protects it from spills and damage resulting from unexpected contact with blood, body fluids and liquid medication, as well as powdered medication.*



* S3025-W features International Protection Marking code (IP54)-level protection.

High-quality images with S-Vue

Samsung's next-generation S-Vue imaging engine delivers high-resolution images through advanced processing and adaptive filtering and provides enhanced image contrast and sharpness.

S-Vue provides:

- **Improved image sharpness and clarity**

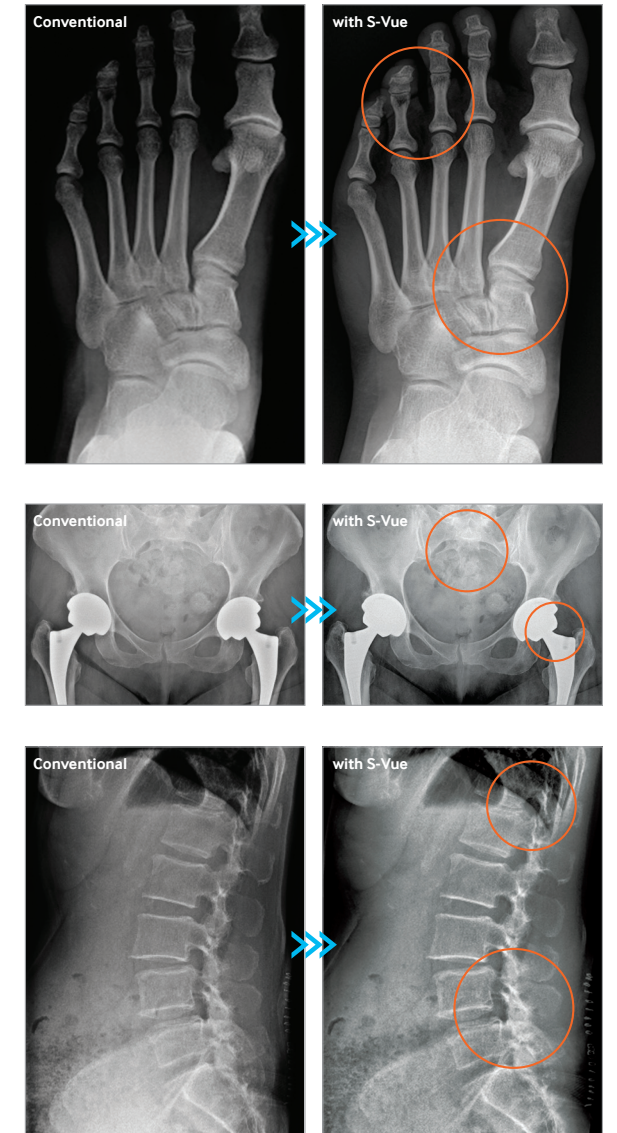
Advanced image processing technology effectively separates thick and thin parts of bones to enhance the display of overlapping areas and contours.

- **Ensured image reliability**

Even in the presence of an implant, regions of interest are displayed without artifacts. In the areas where bones overlap, each bone stands out clearly.

- **Great depth and range of image**

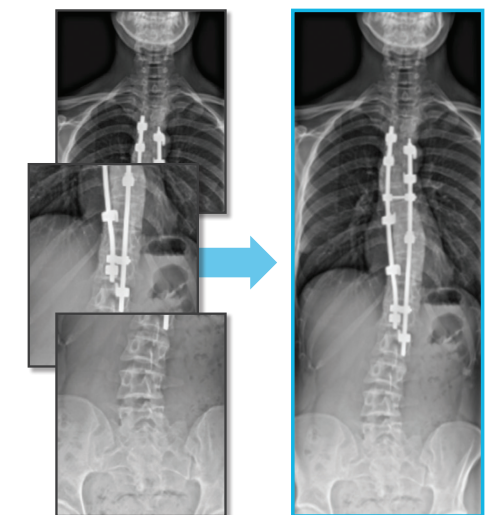
Highly clarified contrast of regions of interest provides a clear and detailed display of bones and soft tissues in a single image. Images of patients' organs with different characteristics, such as lung, spine and inguinal region images, can be displayed on a single page.



Results may vary depending on individual use.

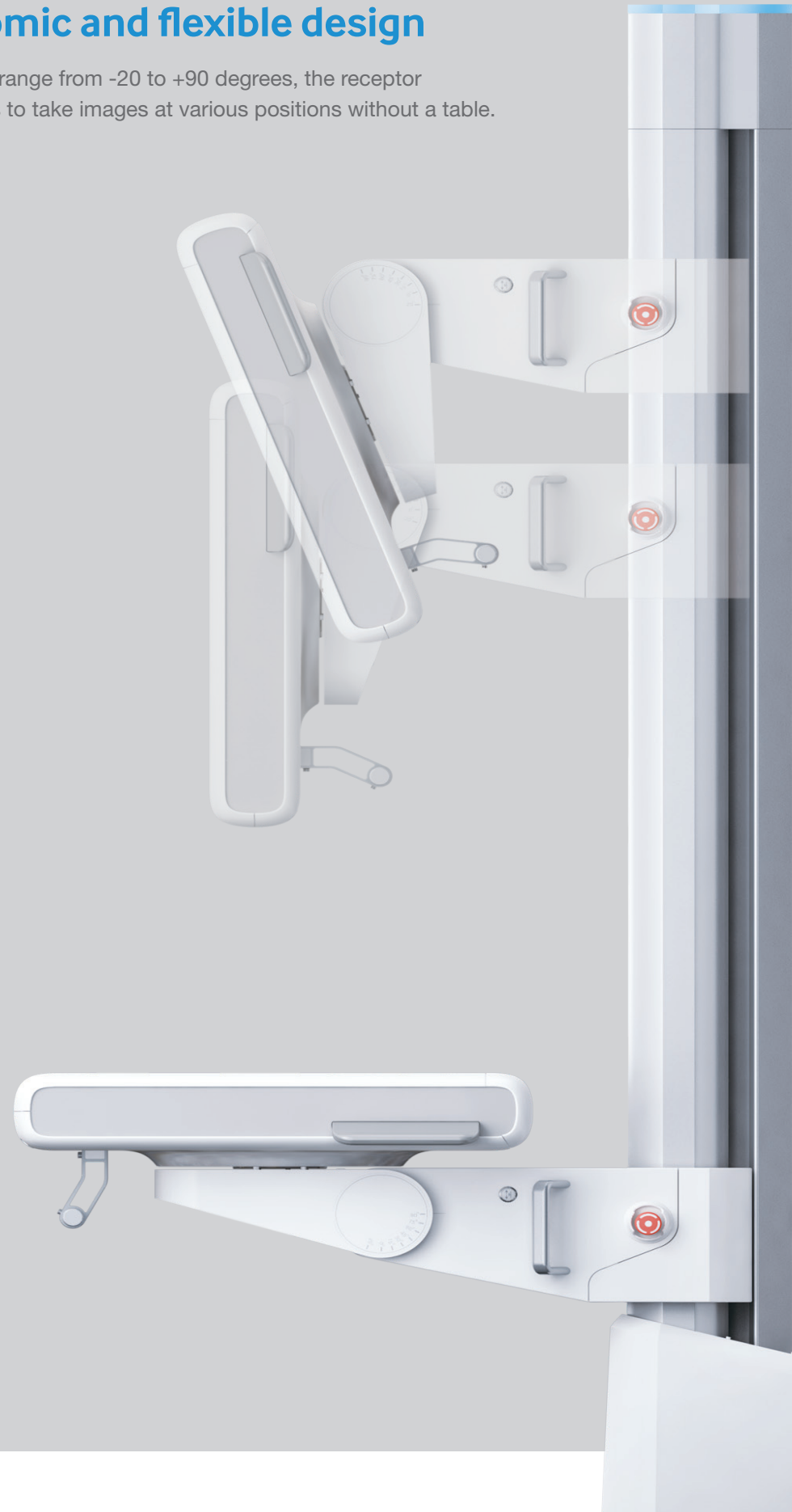
Optimal accuracy with Smart Stitching

Smart Stitching captures two or more images consecutively and stitches them into one larger image. A stitched image supports diagnostic clarity more than separated images.



Ergonomic and flexible design

Tilting at the range from -20 to +90 degrees, the receptor enables users to take images at various positions without a table.



Experience streamlined workflow

Patients' comfort and high throughput with lightweight wireless S-Detector

Wireless S-Detectors are lightweight (for example, S3025-W is only 1.63 kg) for agile use. The detectors move quickly to serve a greater number of patients. A thin, lightweight (only 0.8 kg for S4335-W) and portable grid can be conveniently placed under patients to enhance their comfort.



Simple operation with a fully wireless system

The integrated wireless system provides immediate data transfer and includes wireless S-Detector, remote controller and wireless foot switch. The S-Detector's LED indicator reduces confusion when using multiple detectors. When the user interface and the detector's indicator color match, the user can choose the active detector with just one click.



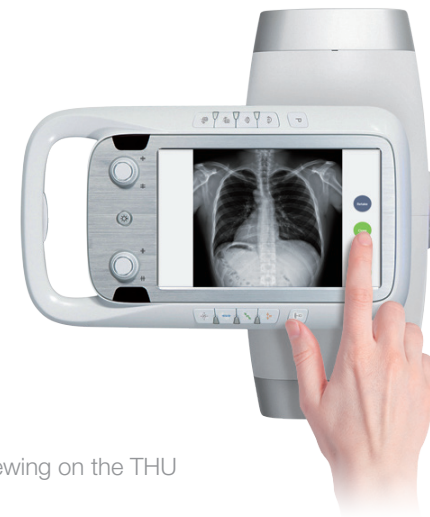
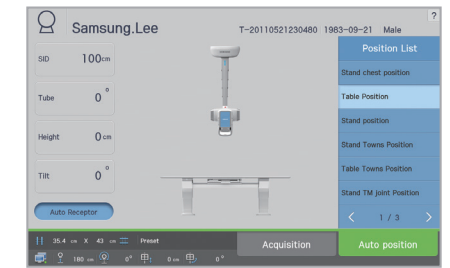
Experience simplified operation

Intuitive User Interface

Intuitive icons and buttons of the Tube Head Unit (THU) allow users to easily operate the system. The Positioning Help function displays patient positioning image guides on the THU to ensure correct patient positioning before imaging. In addition, it is easy to shoot multiple images after checking the preview on the THU's 12-inch wide screen.

Easy operation with auto positioning

The fully automated system moves into about five hundred exam positions and can be controlled with a handheld wireless remote control. This capability decreases the operational effort.



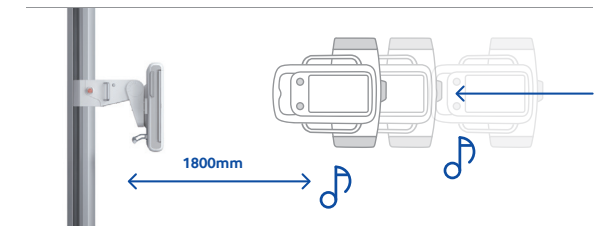
*Previewing on the THU



*Positioning help on the THU

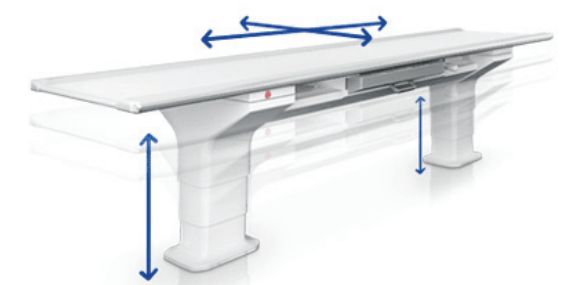
Useful Audio User Interface (AUI)

Different sounds and colors are assigned to each movement of the tube. Applying AUI to each movement helps users easily figure out the location of the THU (Tube Head Unit) while keeping patients under observation.



Reliable and flexible 6-way table

The flexible 6-way table can endure maximum weight of 350kg. The elevating range is from 545 mm to 900 mm, and both wired and wireless foot switches are available. Thin table legs enhance the use of fixed space, and the outstanding traffic line improves the workflow.



Ultimate ease of use with soft handling

Low-level noise and easy handling technology enable users to operate the Tube Head Unit with low physical pressure.



Improved efficiency and dependable support

Make safety the top priority

- ▶ **Dose Area Product(DAP)**
By measuring the amount of X-ray being used by the collimator, users can measure the dosimetry of patients being examined. DAP information can also be delivered to PACS and effectively managed.
- ▶ **Auto Exposure Control(AEC)**
The AEC function prevents excessive exposure to X-rays and provides patients the best image quality possible.
- ▶ **Collimator with separate blade control**
4-axis individual blade control function reduces radiation dose and is especially useful for pediatric chest examination.
- ▶ **Collision avoidance system**
Six sensors can detect the movement of patients and users to avoid collision.

Strategic investment with S-Share*

S-Detectors (S4343-W, S4335-W and S3025-W) are compatible with GC80 and mobile digital radiography GM60A.

- ▶ **Adaptability for continuous operation**
S-Share can increase efficiency through the use of S-Detectors in multiple areas. For example, S-Detector that comes included with GM60A can support a GC80 room during peak exam periods. S-Detector can also increase productivity in areas such as wards, emergency rooms or intensive care units during mornings or late nights when there is less need for the detector in the GC80 room.
- ▶ **Flexibility for cost-efficient solution**
S-Share provides cost-efficiency by enabling customizable detector configuration when purchasing GC80. This flexibility satisfies unique clinical needs and gains maximum output from minimal expenditure.



* Option

Maintenance Solution**: 24/7, 365 days per year

- ▶ **Remote Management System**
This system enables continuous monitoring of system errors, along with auto-diagnosis of the system and software version.
- ▶ **24/7 Call Center*****
The customer support center operates 24/7, 365 days per year to quickly respond to clients' problems.
- ▶ **Upgrade Service**
Samsung helps clients use the latest products through optional detector upgrades, along with hardware and software upgrades that are either free of charge or provided through a cost of charge service, depending on the agreement terms and conditions.
- ▶ **Service Offering**
Samsung offers clients the flexibility to choose service support that fits any budget by allowing them to select the coverage to meet their unique requirements.



** Maintenance service availability may vary by country.

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