

XGEO ^{GU60}

PREMIUM USABILITY
IN DIGITAL
RADIOGRAPHY



SMART DIGITAL RADIOGRAPHY SYSTEM

XGEO GU60

The XGEO GU60 offers an ergonomic approach to enhance efficiency and productivity. Through advanced technology from Samsung, exposure values can be lowered, while still maintaining a higher level of imaging. In addition, real-time monitoring ensures constant high-level performance.



XGEO GU60 won an IF Product Design Award 2012.

Flexible U-arm



Auto Positioning



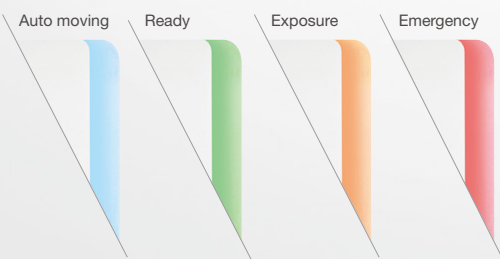
APR (Anatomical Programmed Radiography)



Positioning Help



SAMSUNG



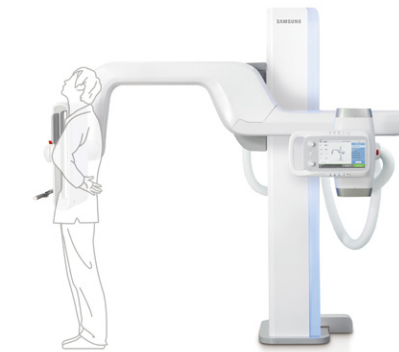
Color coding enables easy testing

Our intelligent radiography solution promises you the best X-ray performance

Flexible geometry leading to high productivity

The XGEO GU60 is a universal, fully motorized system. Its unique U-arm rotates +120°~ -30°, and the SID travels 100cm~180cm to enable any examination in any position. Chest or shoulder X-rays are made easier for wider shoulders by rotating the detector 45°. The XGEO GU60 also provides dual-speed movement to improve user convenience, and the fast-moving arm increases the system throughput.

Chest



Hand



Abdomen



Auto Positioning

The fully automated swivelling arm moves into various exam positions. It can be controlled with the handheld wireless remote control.



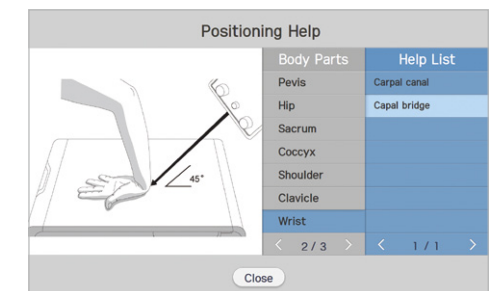
APR (Anatomical Programmed Radiography)

APR automatically selects the imaging method corresponding to the parts being imaged to ensure prompt examinations. An APR database corresponding to the needs of hospitals are provided.



Positioning Help

This function displays patient positioning image guides on the THU to ensure correct patient positioning before imaging.

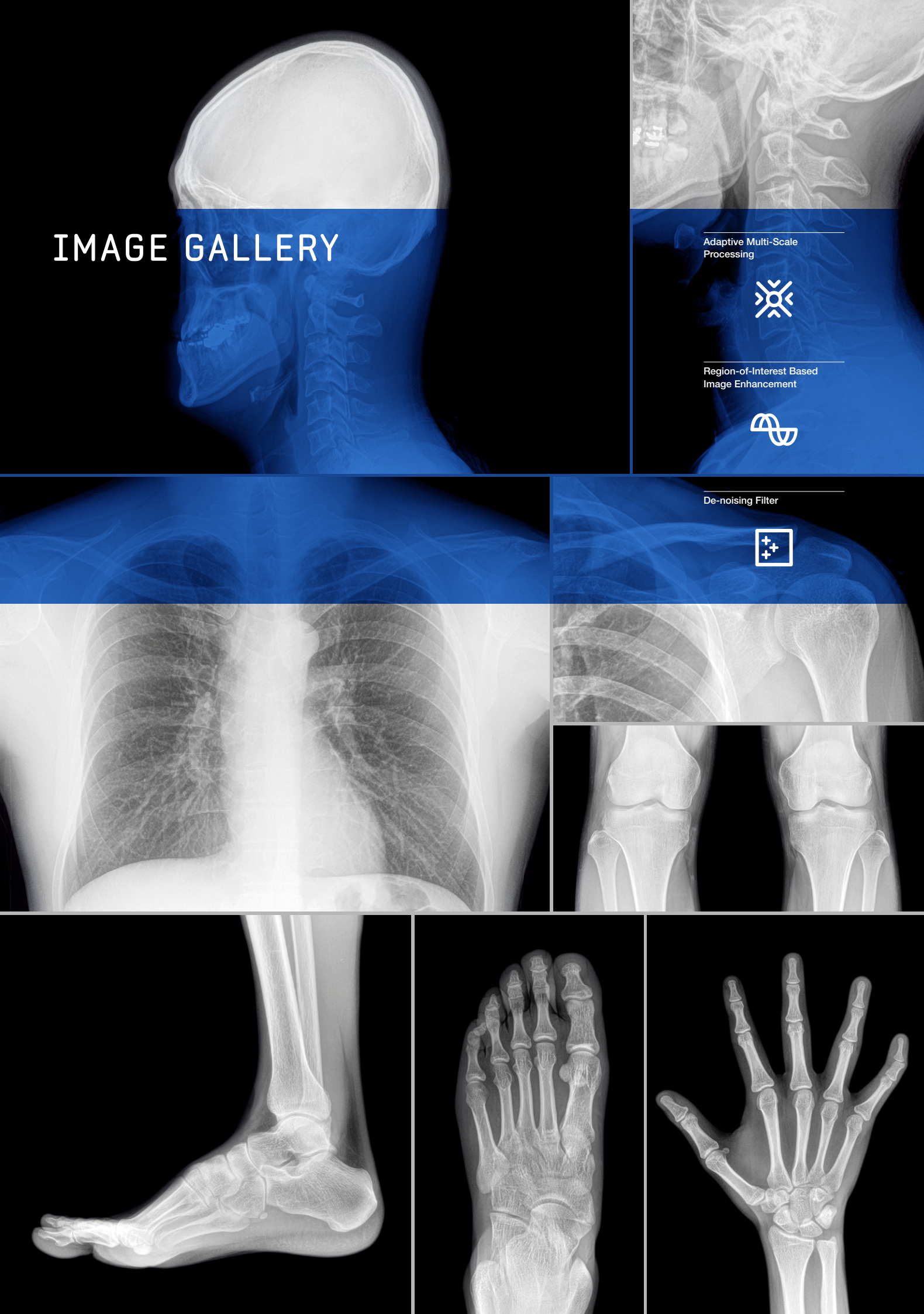


Samsung XGEO GU60

02

03

IMAGE GALLERY



Adaptive Multi-Scale Processing



Region-of-Interest Based Image Enhancement



De-noising Filter

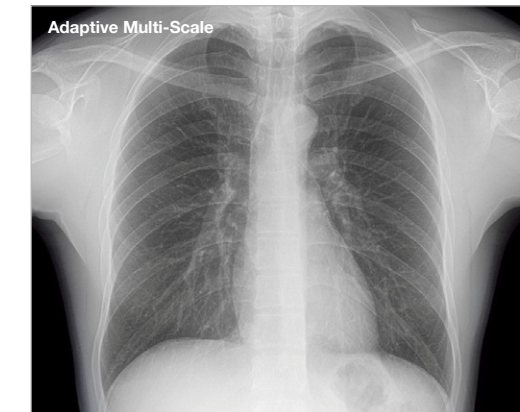
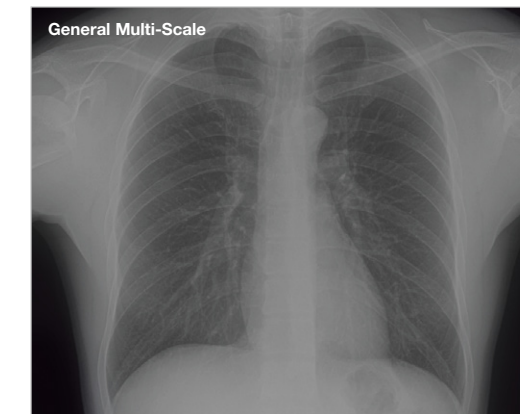


Experience premium imaging quality

△+ Adaptive Local Contrast Stretching (ALCOS)

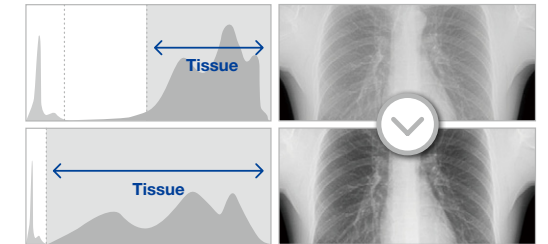
The XGEO GU60 delivers high-resolution images using an automatic, customizable post image process, which automatically determines optimum image contrast and edge sharpness.

01. Adaptive Multi-Scale Processing



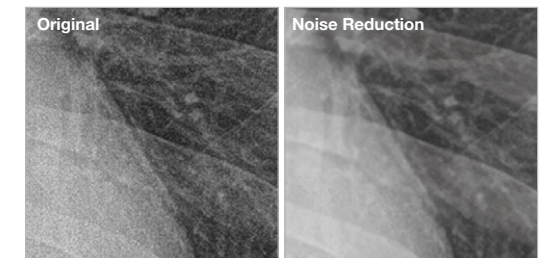
The multi frequency level can be flexibly controlled depending on the parts or tissues being imaged. A declining phenomenon of frequency decomposition at lower level can be prevented by the funnel structure. The image can be transformed through various structure groups based on partial characteristics.

02. Region-of-Interest Based Image Enhancement



Contrast and resolution of detailed images of tissues can be improved. The contrast and sharpness of the image can be flexibly reinforced according to the part being imaged and its characteristics. The contrast and latitude can be simultaneously improved by histogram stretching.

03. De-noising Filter



Selected noise can be eliminated by the noise filter and edge modeling without losing original data. The sharpness and resolution of bones and tissues can be maintained.

Collision Avoidance System



Collimator with Separate Blade Control



DAP (Dose Area Product)



AEC (Auto Exposure Control)



Samsung MoVue



Real-time Monitoring System



XGEO GU60 enhances work efficiency, with the smart U-arm moving freely according to patient position.



Samsung XGEO GU60

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Your safety and convenience are our primary concerns

Collision Avoidance System
6 collision avoidance sensors detect movement to help control operation.

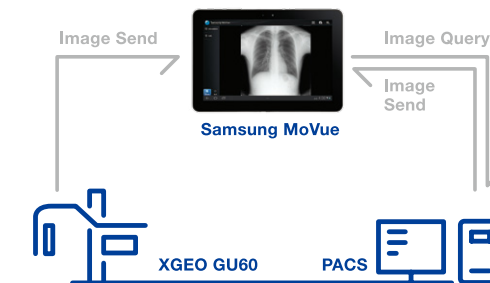
Collimator with Separate Blade Control
Flexible and accurate function reduces radiation dose and improves functions.

DAP (Dose Area Product)
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.

AEC (Auto Exposure Control)
The AEC function prevents excessive exposure to X-rays and provides patients the best image quality possible.

Samsung MoVue (Option)
We provide the portable Samsung MoVue to carry images and interact with patients more efficiently. It is applicable to medical imaging such as Ultrasound (3D), CT, and MRI. Samsung MoVue software is provided for Galaxy Tab to maximize diagnosis efficiency.

+ PACS + DICOM 3.0 compatible



A proactive monitoring system

Real-time Monitoring System
This enables the continuous monitoring of error information, auto-diagnosis information, and software version information.

Remote Access

- Auto-diagnosis and remote repair services are provided through remote access assistance.
- Real-time monitoring system responds immediately to problematic situations.

