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Рентгенографический аппарат XGEO GU60

PREMIUM USABILITY
In DIgITAL
RADIogRAPhY

XGEO GU60/60A

SMART DIGITAL RADIOGRAPHY SYSTEM

XGEO GU60/60A

The XGEO GU60/60A 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.

product design award 2012

INTERNATIONAL DESIGN EXCELLENCE AWARDS '12 GOLD

Flexible U-arm

Auto Positioning

APR (Anatomical Programmed Radiography)

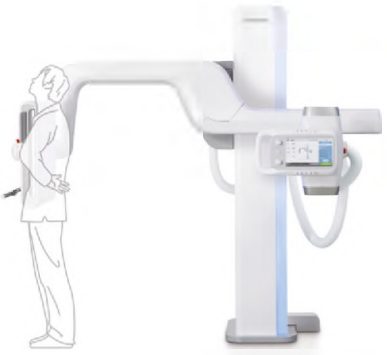
Positioning Help

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

Flexible geometry leading to high productivity

The XGEO GU60/60A is a universal, fully motorized system. Its unique U-arm rotates +120°~ -30°, and the SID travels 100 cm~180 cm 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 GU60/60A also provides dual-speed movement to improve user convenience, and the fast-moving arm increases the system throughput.

Chest

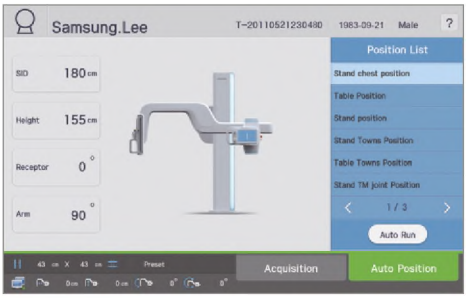


Hand

Abdomen

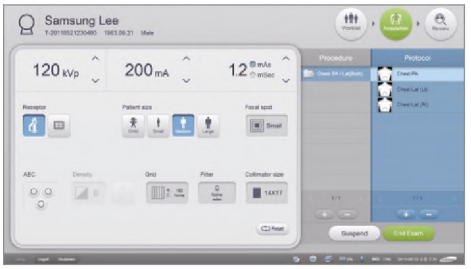
Auto Positioning

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



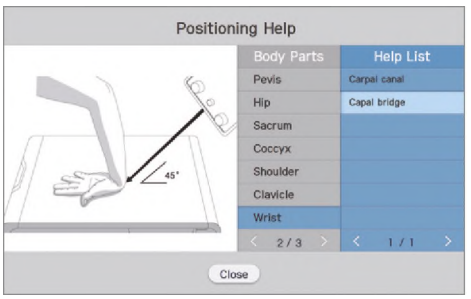
APR (Anatomical Programmed Radiography)

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.



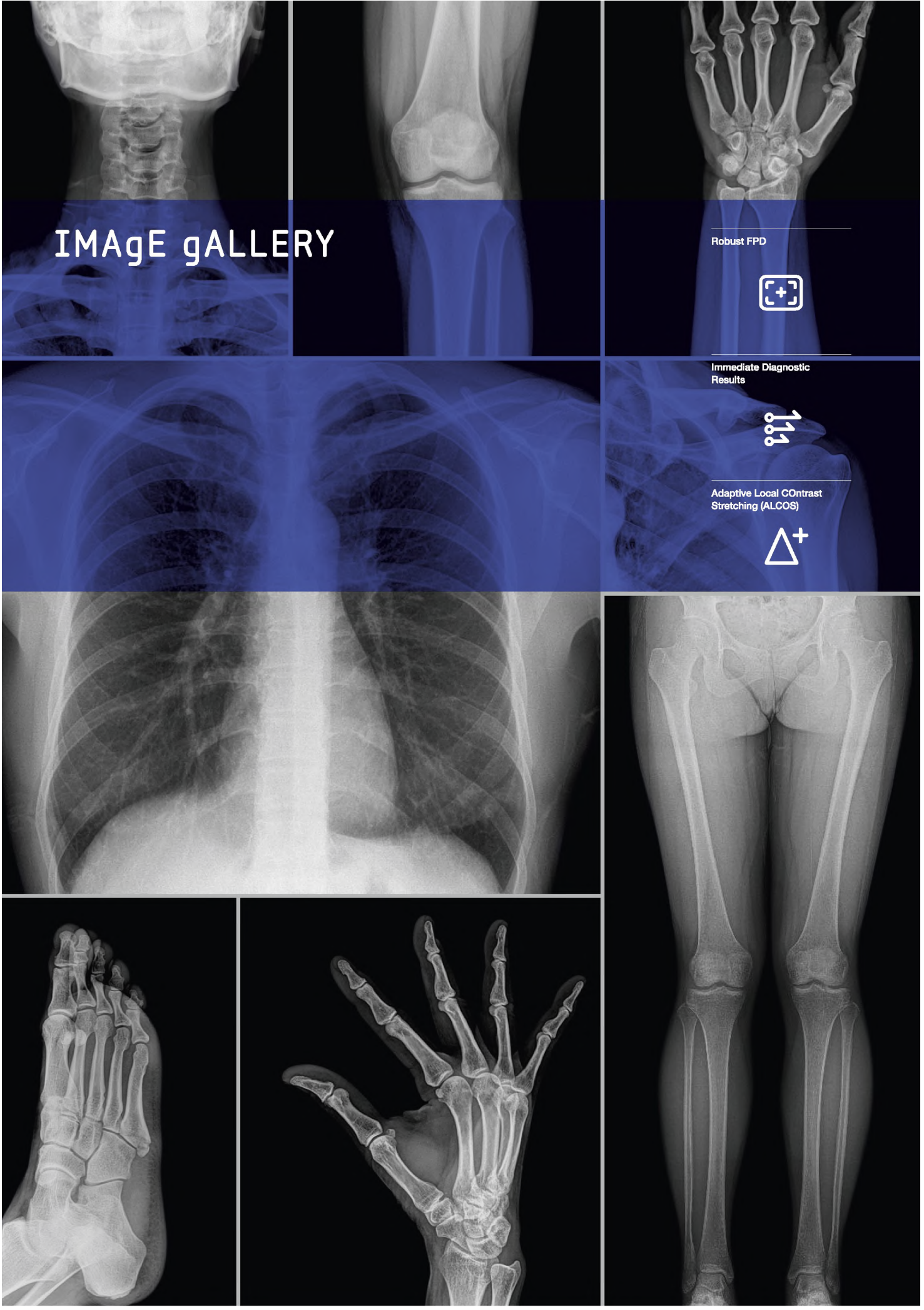


IMAgE gALLERY
Robust FPD
Immediate Diagnostic Results
Adaptive Local COntrast Stretching (ALCOS)

Our advanced technology promises you the best X-ray experience

Robust FPD

With its advanced technology and expertise in TFT design, Samsung is committed to developing TFT-based flat panel detectors with built-in ALDAS, delivering maximized image quality, immediate results, and diverse applications. Even with dose reduction, the XGEO GU60/60A still guarantees accurate images and provides diagnostic confidence, which ultimately leads to the health and safety of patients. Samsung's compact and light detector improves work efficiency, user convenience, and patient safety.

*ALDAS: Advanced Low Dose Amorphous silicon Sensor

SDX-4343CS
43 X 43 cm CsI (for GU60A)

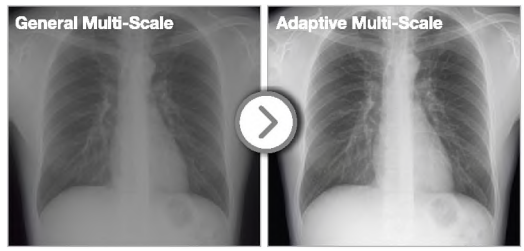
Immediate Diagnostic Results

Save time, and increase throughput and productivity.

Adaptive Local Contrast Stretching (ALCOS)

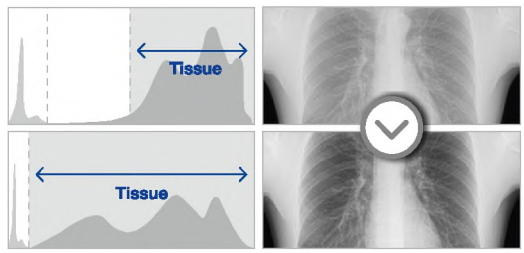
The XGEO GU60/60A delivers high-resolution images using an automatic, customizable post image process, which automatically determines optimum image contrast and edge sharpness.

01. Adaptive Multi-Scale Processing



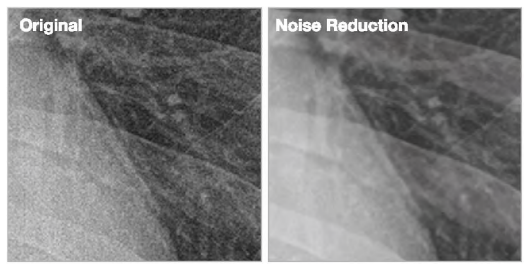
The multi frequency level can be flexibly controlled depending on the parts or tissues being imaged. A declining phenomenon of frequency decomposition at lower level can be prevented by the funnel structure. The image can be transformed through various structure groups based on partial characteristics.

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™

Remote Management
System

XGEO GU60/60A enhances work efficiency, with the smart U-arm moving freely according to patient position.

Your safety and convenience are our primary concerns

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

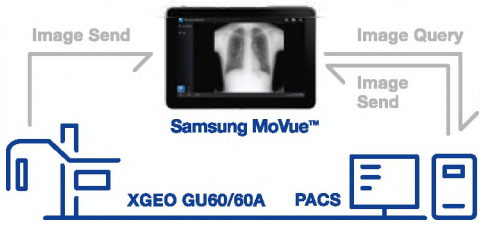
Collimator with Separate Blade Control
Flexible and accurate function reduces radiation dose and improves functions.

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



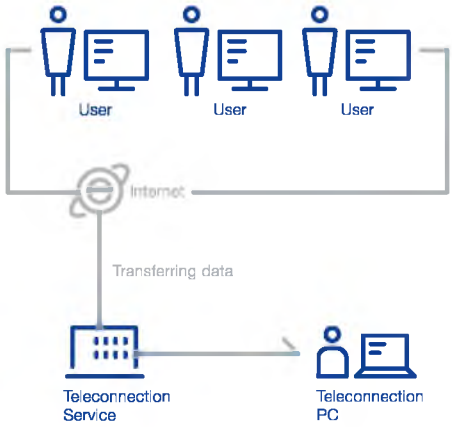
※ Comparison Chart (GU60 vs GU60A)

	GU60	GU60A
Digital Detector type	Amorphous Silicon TFT / Gadolinium Oxy-Sulphide	Amorphous Silicon TFT / Cesium Iodide scintillator
Detector size	43 x 43 cm	43 x 43 cm
AEC (Automatic Exposure Control)	O	O
DAP (Dose Area Product)	Option	Option
RMS	O	O

A proactive monitoring system

Remote Management 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.



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