



5kW FPD C-arm System
Garion

Experience
The Difference

Fine-Tuned Movement 5kW FPD C-Arm Surgical System



Garion is a compact and versatile digital surgery system.
It is aimed to help you save space and improve work efficiency.
It is easy to assemble, quick to bring up.
It has minimal post-sales expenditures.

Garion for complete satisfaction

Garion is equipped with a high resolution FPD

Its composition, along with other components such as positive/negative inversion, realtime zoom & rotation, as well as advanced noise reduction and optimized contrast/brightness, guarantees much clearer and enhanced image quality.

These superb image are stably supported by the upgraded 40kHz high frequency generator, at a low dose.

Efficiency and Convenience

No workstation is needed any more. The FPD included functions to replace the traditional workstation.

With the FPD's stand-alone application viewer, you can see not only the live image but also the stored ones.



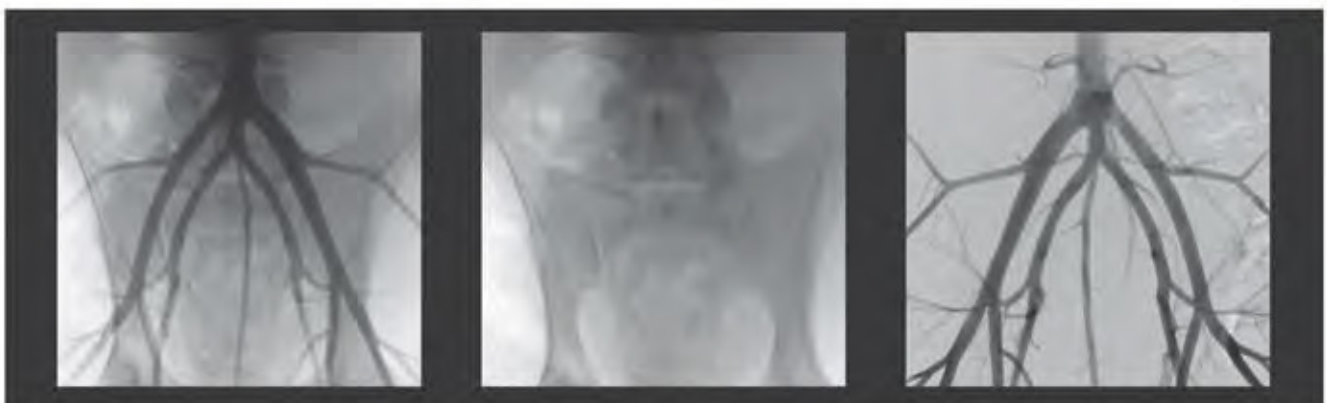
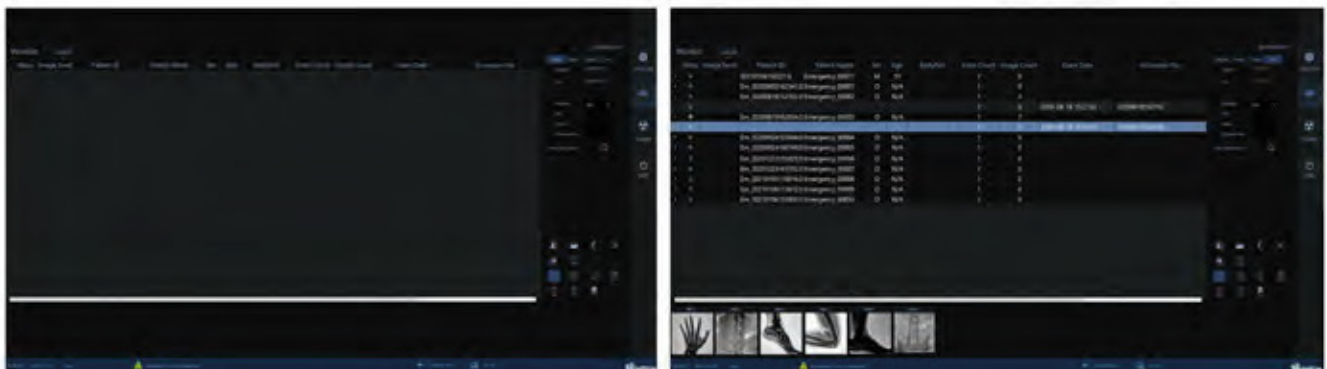
Software

Powerful Digital Image Processing and Display

Whatever the surgical and clinical environment is, you will benefit from the most optimized output.

The combination of Dynamic FPD means that Garion provides the highest quality on screen image.

Our advanced image-processing technology enables you to utilize various functions such as image flip (horizontal & vertical), image rotation (360°), realtime zoom, noise reduction, multiple display (up to 2 x 2 matrix format), and realtime edge enhancement, etc.



Specification

Detector

• Detector Technology	a-Si with direct dep Csi
• Active area (mm ²)	210 × 210
• Active Matrix (pixels)	1024 × 1024
• ADC (bits)	16
• Pixel Pitch (µm)	205
• Typical DQE@ 0lp(20nGy@ RQA5)	0.62
• Frame Rate(fps)	30(1× 1), 60(2× 2)
• Dimensions (mm ³)	270 × 270 × 54
• Weight (kg)	5.5 ± 0.12

Generator

• Power (kW)	5
• kVp	40 - 125
• mA	0.1 - 100
• kV Rising Time(ms)	1
• kV Falling Time(ms)	5
• kV Reproducibility	< 0.5%
• kV Ripple	≤ 1% (RMS)
• kV Accuracy	± 5%
• mA Rising Time(ms)	1
• mA Accuracy	± 10%

Tube

• Focal Spot Sizes (mm)	0.3 /0.6
• Target Angle-	10°
• Total filtration	2.7 mm Al
•Maximum Anode heat content(kHU)	200
•Maximum Anode continuous heat dissipation(W)	300
•Maximum Oil Tank heat content(kHU)	1200
•Maximum Oil Tank heat dissipation(W)	150
• Weight (kg)	20

Collimator

• Manual control knobs to adjust X-ray field	Max 31×31 (SID=100cm)
• light source on time (sec)	30
• Dimensions (mm ³)	249 × 122 × 106
• Weight (kg)	4

C-arm

• Angle of Arc Glide	120°
• Y-Axis Rotation Angle	360°
• Y-Axis Range of Motion(mm)	200
• Z-axial Range of Motion(mm)	400
• Horizontal Swing Angle Range	15°
• Guide Wheel Rotation Angle	± 90°
• SID(mm)	1000
• C-Arm Opening Distance(mm)	780
• The Depth of the Arc(mm)	640
• Self-Balancing	Yes

Environmental Conditions

• Operating Temperature (°C)	5 - 35
• Operating Humidity (%RH)	30 - 80
• Storage Temperature (°C)	-10 - 55
• Storage Humidity (%RH)	10 - 90

Workstation

• CPU	Intel i5-8500
• Hard Disk Storage (GB)	1024
• RAM (GB)	8
• Monitor (pixels)	1920 × 1080
• Boot Time after normal shutdown (sec)	120
• System reset time (sec)	60
• Printer	SL-M2020

Monitor

•Screen technology	TFT Color LCD IPS
•Active screen size (diagonal)	19"
•Aspect ratio (H:V)	5:4
•Resolution	1280 x 1024 pixels
•Viewing angle (H, V)	178°



3. Service

Customer Oriented

Your values are of utmost importance to us. As a leading medical diagnostic device manufacturer, we take full responsibility in satisfying your needs by providing high quality products to the global market. Also, by collaborating user friendly interface and design, we actualize your desires and needs. We promise to stand by your side and always strive to add pleasure at your work place.

Approved Quality

We put great deal of emphasis on well-being of mankind. SG Healthcare upholds this value by manufacturing reliable and reasonable medical diagnostic devices. And also by distributing our quality products all over the world through fortified SG Healthcare's global network, we wish to present better life for every little breath.

24/7 Fast Response

We embrace all challenges and counter act with pride and quickness to all claims. Fast response offers customers with satisfaction and improves reliability of SG Healthcare. We strive to provide the most comprehensive service for every claim, regardless of location and time. This is how we have maintained friendship over 60 countries worldwide.



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www.tecnoimagen.com.ar | 0810 333 8273