

SURGICAL DIGITAL MOBILE C-ARM



INTRODUCING EDUSOFT SURGICAL DIGITAL MOBILE C-ARM SYSTEM

Precision Imaging for Advanced Surgical Care

- Boost OR Efficiency
- Enhance Surgical Outcomes
- Exceptional Ease of Use

As part of Edusoft's advanced radiology solutions, the Surgical Digital Mobile C-Arm is engineered to empower modern operating rooms with cutting-edge Flat Panel Detector (FPD) imaging. Available in 9x9 and 12x12 detector options, it delivers superior image clarity, reliability, and productivity for a wide range of surgical specialties.

With its compact, ergonomic design, this C-Arm ensures fast positioning, rapid imaging, and seamless maneuverability, supporting busy OR environments across orthopedic, trauma, vascular, and general surgeries.

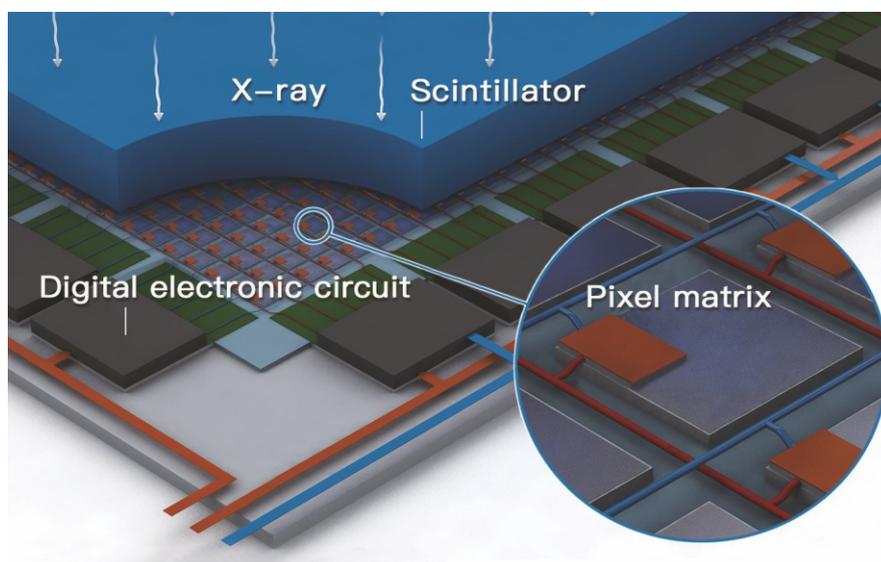
Our Flat Detector technology, combined with large C-Arm geometry, enables expanded imaging coverage for both routine and complex surgical cases. The result is consistent, high-quality images with reduced dose levels, empowering surgeons to work with confidence and precision.

Backed by Edusoft Healthcare's trusted service support network, this system is designed to deliver long-term reliability, easy upgradability, and uncompromising performance, ensuring it grows with your clinical needs.

MORE FLEXIBILITY IN IMAGE

Flat Panel Detector Technology

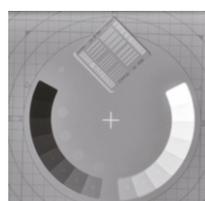
Image quality is of highly significance that helps doctors with more accuracy and certainty during surgery. Flat panel detector technology is well-proven technology in imaging with its advantages of high sensitivity, high resolution, short processing time and superior image quality.



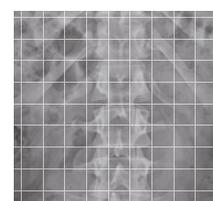
Distortion-free, high-resolution and high-contrast images can be easily got by Surgical Digital Mobile C-Arm thanks to flat panel detector technology, which offers great visualization of details with large field of views.



Large field of view



High resolution & High contrast



Distortion-free

Ergonomic C-Arm Design

Fully counterbalanced C-arm can stay at any angle without repositioning.

15" Intuitive Touch Screen

360° rotation and lateral eversion provides nicu user experience. Multi-touchscreen interface enables efficient operation.

Flat Panel Detector

Images in large field of view can be got

ERAY SMART
The Future of Surgical Excellence

Powerful Generator

Either stationary or rotating anode can be chosen.

Standby Power

Standby power enables the system to transfer between different Ors and prevents data loss.

Additional Monitor Cart (Optional)

Display provides of dynamic and static images at the same time. Doctors can enjoy large and comprehensive view for fine anatomical details.

Surgical Digital Mobile C-Arm comes with latest digital technology in the entire imaging chain that delivers excellent images and help you see more details in surgery. It is the good choice for orthopedic surgery, pain management procedure, general surgery, urinary surgery, etc.





30cm x 30cm



21cm x 21cm

MORE ACCURACY AND CONFIDENCE

9 x 9 inch or 12 x 12 inch are available.

Benefits from flat panel detector technology, live image can be easily got, Large field of view allow surgeons to see more anatomical area with more details, expanding view coverage of each image. As for some areas which needs constant images to obtain the full view, the amount of images can be reduced thus radiation dose and procedure time can be minimized efficiently. High-contrast, high-resolution and distortion-free images show fine details as much as possible. There, with live images surgeons can get better visualization of details and more confidence in clinical decision at the right dose during the whole procedure.



Powered by ABS Technology

Automatic Brightness Stabilization ensures consistent image clarity across procedures.



Pre-Programmed Imaging Modes

Quickly adapt settings based on surgery type or clinical application.



Digital Subtraction Angiography (DSA)

Enables real-time vascular imaging with high contrast and detail.



Color-Coded Axis & Handle

Simplifies C-arm positioning with intuitive, easy-to-use movement controls.



Real-Time Noise Reduction

Enhances image quality at low radiation dose during procedures



DICOM Compatibility

Supports DICOM printing and seamless integration with hospital PACS systems.



Live-to-Reference Image Shift

Seamlessly switch between live and stored frames for accurate comparisons.



Removable Anti-Scatter Grid

Improves image clarity while reducing patient dose.

MULTI-DIMENSIONAL C-ARM MOVEMENT

Compact and lightweight structure can achieve effortless as needed smooth and steady movement guarantees live imaging of targets.

01 Rotated motion



MORE APPLICATIONS IN OR



Clinical Focus



Orthopedics



General Surgery



Pain management



Vascular Angiography



Urinary Surgery



Spine Surgery



Cardiology



Gastroenterology

Technical Highlights

12" x 12" FPD

X-RAY GENERATOR	MODEL	ERAY SMART C ⁺
	POWER OUTPUT	5kW (High Frequency)
	mAs RANGE	0.2mAs-100mAs
CONTINUOUS FLUROSCOPY	VOLTAGE RANGE	40kV-125kV
	mA RANGE	0.2mA-10mA
PULSE FLUROSCOPY MODE	VOLTAGE RANGE	40kV-125kV
	mA RANGE	1mA-100mA
DIGITAL RADIOGRAPHY MODE	mA RANGE	1mA-100mA
X-RAY TUBE	TYPE	Rotating Anode
	ANODEHEAT CAPACITY	210kHU
	FOCAL POINT	0.3/0.6 mm
COLLIMATOR	SID	1100mm
C-ARM STRUCURE	ORBITAL ROTATION	30° ~ +90°
	LATERAL ROTATION	±180
	VERTICAL TRAVEL	0 ~ 400mm
	HORIZONTAL TRAVEL	0 ~ 200mm
FLAT PANEL DETECTOR	TECHNOLOGY	Amorphous Silicon (a-Si) with Csl
	SIZE	30cm x 30cm
	IMAGE RESOLUTION	3.5lp/mm
	FRAME RATE	18 frames/sec
EXTRA FEATURE	PIXEL PITCH	154µm
	DSA	Yes (Optional)

9" x 9" FPD

X-RAY GENERATOR	MODE	ERAY SMART C
	GENERATOR TYPE	High Frequency Technology
	POWER OUTPUT	5kW
	mAs RANGE	0.2mAs-100mAs
CONTINUOUS FLUROSCOPY	VOLTAGE RANGE	40kV-110kV
	mA RANGE	0.3mA-6.3mA
PULSE FLUROSCOPY MODE	VOLTAGE RANGE	40kV-125kV
	mA RANGE	0.3mA-32mA
DIGITAL RADIOGRAPHY MODE	VOLTAGE RANGE	40kV-125kV
	mA RANGE	2mA-100mA
X-RAY TUBE	TYPE	Stationary Anode
	ANODEHEAT CAPACITY	80kHU
	FOCAL POINT	0.6/1.2 mm
COLLIMATOR	TYPE	Digital Rectngular Collimator
	POSITIONING	Dual Laser Positioning
C-ARM STRUCURE	ORBITAL ROTATION	33° to +117
	LATERAL ROTATION	±180°
	VERTICAL TRAVEL	400mm
	HORIZONTAL TRAVEL	200mm
FLAT PANEL DETECTOR	TECHNOLOGY	Amorphous Silicon (a-Si) with Csl
	SIZE	21cm X 21cm
	A/D CONVERSION	16 bit
	PIXEL PITCH	200µm

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