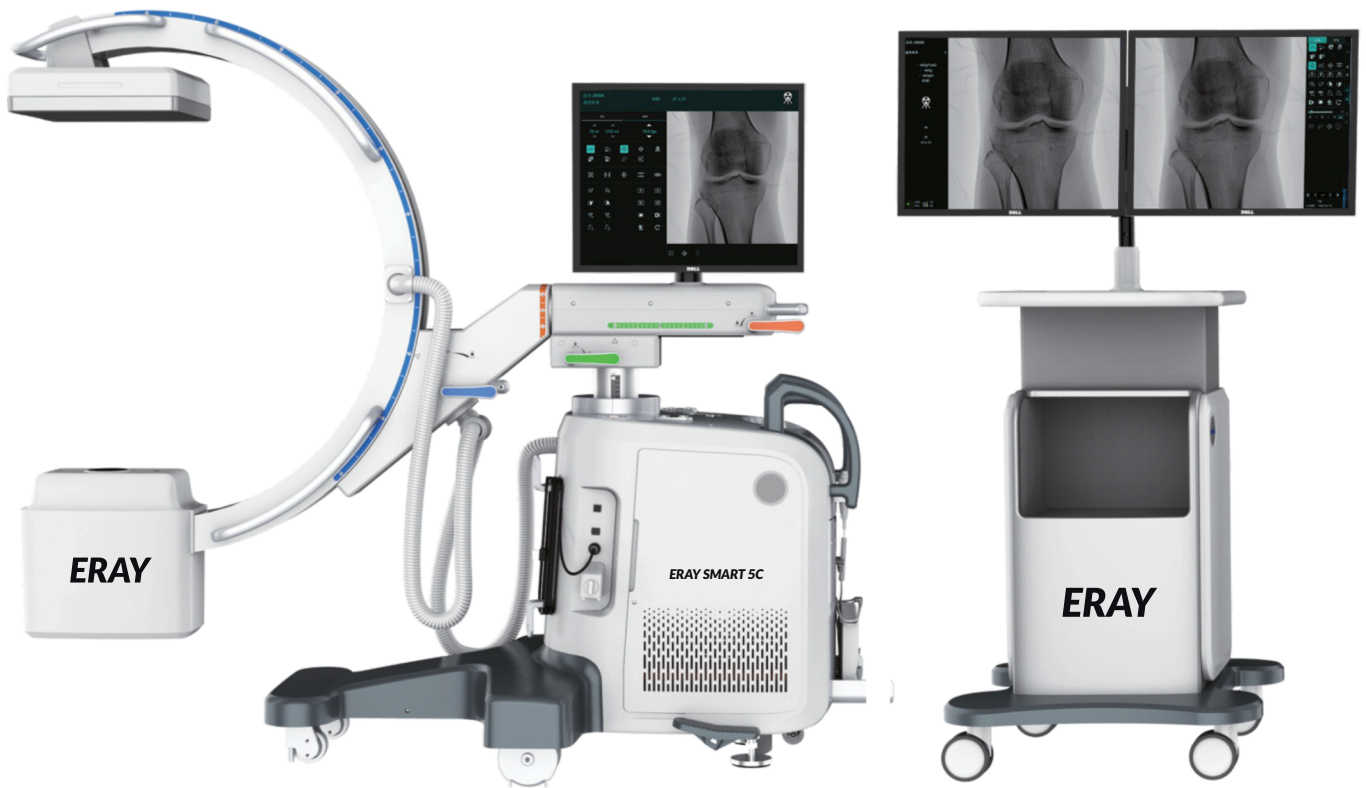


# THE SMARTER C-ARM

MODEL - ERAY SMART 5C

ABS Premium Build | Auto Collimation | 27" High-Resolution Monitor |  
Carbon-Shielded FPD | DSA | Ultra-Sharp 139 Micron



# INTRODUCING EDUSOFT C-ARM

## HIGH POWER OUTPUT – 5kW

Engineered for a wide range of specialties including orthopaedic surgery, spine surgery, vascular procedures, urology, pain management, and more. Delivers consistent high-performance imaging across diverse clinical needs.

## INGENIOUS FPD ON-BOARD

The right mobile flat-panel detector technology—compact, intelligent, and designed for superior imaging quality in every procedure .

## SMART FLOW – EASE & EFFICIENCY

A more intelligent work flow designed to simplify operations, enhance control, and boost productivity.

## PLATFORM FOR YOUR FUTURE

Built on a legacy of innovation, crafted evolve with tomorrow's imaging needs.

## MULTI-DIMENSIONAL C-ARM MOVEMENT

The compact, lightweight structure enables effortless positioning in every direction. smooth and steady motion ensures continuous imaging of targeted anatomy with precision.

### 01 Rotated motion



02 Horizontal wig-wag



03 Horizontal travel



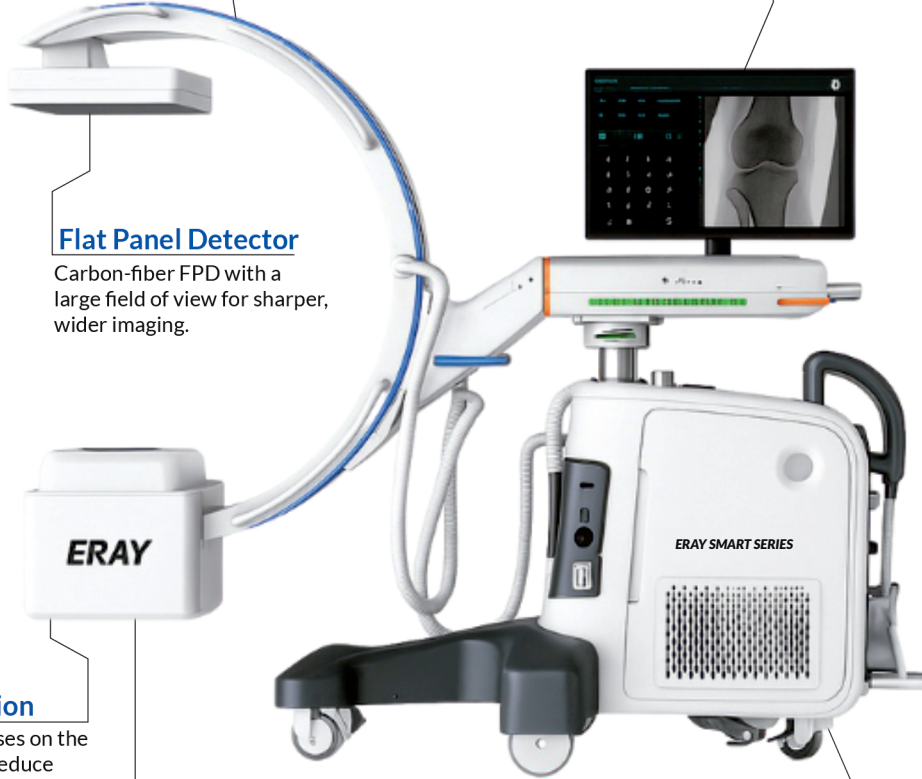
04 Slip along the orbit



05 Motorized up and down

### Ergonomic C-Arm Design

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



### Flat Panel Detector

Carbon-fiber FPD with a large field of view for sharper, wider imaging.

### 15" Intuitive Touch Screen

Displays kV · mAs · Fluoro mA · MAG · heat units · interlocks. Controls: X-Ray ON, kV/mAs, C-arm, collimator, dose, exposure lock, fluoro save.

### Auto Collimation

Automatically focuses on the area of interest to reduce unnecessary X-ray exposure.

### 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)

Premium ABS, ergonomic design with simultaneous dynamic and static image display.



## ENSURING PRECISION AND EFFICIENCY IN EVERY PROCEDURE

*Real-time dynamic HD imaging empowers surgeons with clearer pathological insights, supporting complex orthopedic surgeries and enhancing surgical accuracy, safety, and overall success rates.*



22cm x 22cm

## MORE ACCURACY & CONFIDENCE

Live images are captured instantly, while the large field of view enables surgeons to visualize more anatomy with greater clarity. By covering a wider area in fewer exposures, radiation dose and procedure time are significantly reduced. The FPD delivers high-contrast, high-resolution, distortion-free images that reveal fine anatomical details. With real-time visualization at the right dose, surgeons gain clearer insights, increased confidence, and improved decision-making throughout the 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 3.0 Compatibility

Supports DICOM 3.0 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.



### Roadmapping

Provides clear real-time guidance during vascular and interventional procedures, enhancing accuracy and clinical confidence.



### Dual Footswitch

Enables effortless hands-free control of imaging functions, improving workflow efficiency and surgical convenience.



### DAP Module

Live patient dose display with total Fluoro/CINE dose summary and overdose warning.

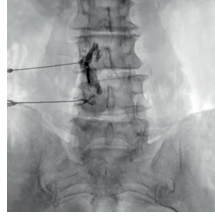
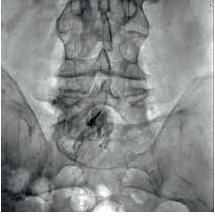


### Advanced Imaging Engine

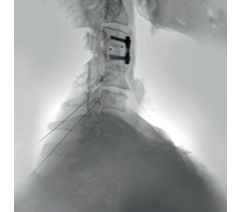
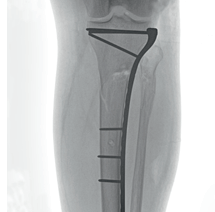
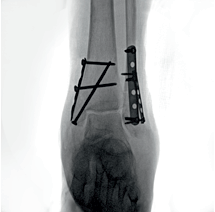
High-speed 1.5K acquisition with CINE recording, noise reduction and instant image enhancement.

## CLINICAL DATA

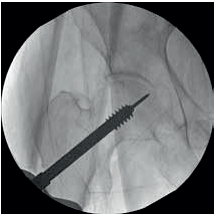
Providing excellent diagnostic images through accumulated experience



Pain Management Case



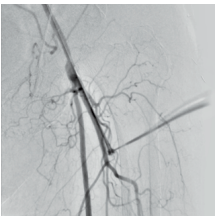
Orthopedics Case



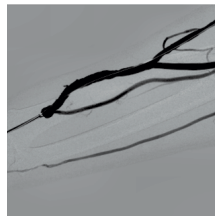
Trauma Case

## DSA (Digital Subtraction Angiography)

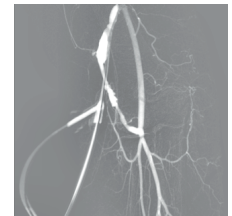
DSA is a multi functional tool utilized in both diagnostics and surgical procedures which may serve a wide variety of applications



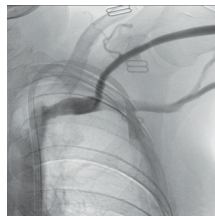
DSA Image



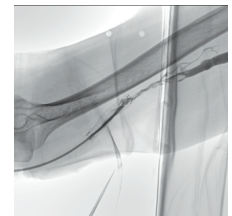
DSA Image



Roadmap Image



Live Image with Contrast Medium Injected



## CLINICAL FOCUS



Orthopedics



General Surgery



Pain Management



Vascular Angiography



Urinary Surgery



Spine Surgery



Cardiology



Gastroenterology

## Technical Highlights

### GENERATOR

POWER	5kW
MAX VOLTAGE	125kV
mA IN PULSE FLUORO	Max. 32mA
mA IN CONTINUOUS FLUOROSCOPY	Max. 6.3mA
mA IN DIGITAL RADIOGRAPHY	Max. 100mA
kV RANGE	40~125kV
GENERATOR FREQUENCY	50kHz

### X-RAY TUBE

TYPE	Stationary Anode
FOCUS SPOT SIZE	0.6/1.2mm
ANODE HEAT CAPACITY	80kHU
COLLIMATOR	Fix collimator (Standard) / Motorized collimator (Optional)

### FLAT PANEL DETECTOR

TECHNOLOGY	Amorphous Silicon (a-Si) with CsI
SIZE	22cm x 22cm
IMAGE MATRIX	1.5K x 1.5K
FRAME RATE	18 Frames/Sec
PIXEL PITCH	139µm
AD CONVERSION	16 bit

### C-ARM

L*W*H OF C-ARM	195.1cm x 85.3cm x 167.4cm
SID	1100mm
FREE SPACE IN ARC	880mm
DEPTH IN ARC	710mm
ORBITAL ROTATION	150° (117°/-33°)
LATERAL ROTATION	450° (+225°/-225°)
WIG/WAG	30° (+15°/-15°)
HORIZONTAL TRAVEL	200mm
VERTICAL TRAVEL	400mm (Motorized Up/Down)
WEIGHT	300kg

### TOUCH CONTROL PANEL

SIZE	15" Touch Screen
SWIVEL	360° (+180°/-180°)
TILT	120° (+90°/-30°)


## MONITOR


SIZE	27" High-Resolution
DISPLAY	Split-screen (live + reference), Anti-glare
MOUNTING	Mobile Monitor Trolley
IMAGE MATRIX	2.5k x 1.5k


## OTHER


EXPOSURE MODE	Wire handswitch & footswitch
LASER LIGHT LOCALIZER	Two-Way Laser Position
DAP	Available
GRID	Yes
UPS POWER SUPPLY	Yes
DSA	Optional
ROADMAPPING	Optional
IMAGE STORAGE	10,000
POWER SUPPLY	Single-phase 220–240 V AC, 50 Hz; cable 3 m
VOLTAGE STABILIZER	Available
CONNECTIVITY	USB

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