

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.

ABS

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.

DSA

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

DAP Module

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



Advanced Imaging Engine

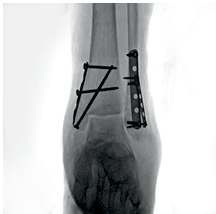
High-speed 1.5K acquisition with CINE recording, noise reduction and instant image enhancement.

CLINICAL DATA

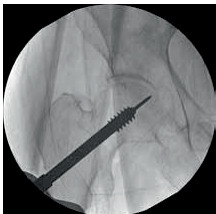
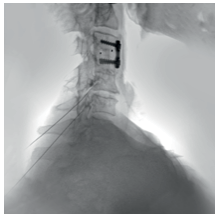
Providing excellent diagnostic images through accumulated experience



Pain Management Case



Orthopedics Case



Trauma Case

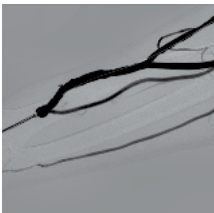


DSA (Digital SubtractionAngiography)

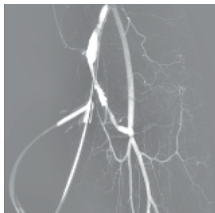
DSA is a multi functional tool utilized in both diagnostics and surgical procedures which may serve a wide variety of applications



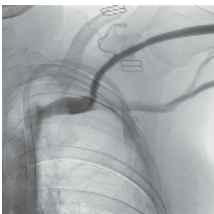
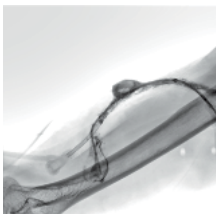
DSA Image



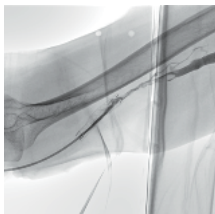
DSA Image



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 × 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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