

CEILING FREE X-RAY SOLUTIONS

ERAY RAD SERIES



AUTOMATED PRECISION
ADAPTABLE POSITIONING
ACCESSIBLE AFFORDABILITY



ERAY CF AUTO PREMIUM: PRECISION, AFFORDABILITY, AND FUTURE-READY EXCELLENCE IN MEDICAL IMAGING

Introducing ERAY CF Auto Premium, a revolutionary floor-mounted DR system that leverages Edusoft's innovative technology for precision in diverse clinical applications. Crafted as a precision instrument, it meets modern healthcare challenges, excelling in both intricate diagnostics and routine imaging tasks. In an era where advanced medical technologies often come with a hefty price tag, ERAY CF Auto Premium stands out as an affordable beacon of excellence. Pioneering accessibility, it makes cutting-edge medical imaging available without compromising professional quality standards. Designed with future needs in mind, ERAY CF Auto Premium ensures reliability, offering healthcare providers a trustworthy and future-ready investment. In the pursuit of quality within reach, ERAY CF Auto Premium embodies the essence of advanced medical imaging without compromise.





9.7-INCH INTUITIVE TOUCH SCREEN

- Seamlessly navigate and fine-tune examination parameters using the high-resolution touch screen, ensuring user-friendly operation.
- Swiftly adapt to different scenarios with the screen's easy orientation change feature, enhancing overall convenience.
- Experience intuitive control and efficient work flow, optimizing the user experience in medical settings.
- Access a range of advanced features at your fingertips, empowering healthcare professionals with enhanced functionality.



DYNAMIC SIX-WAY FLOATING TABLE

- Effortlessly maneuver the table using a foot switch, ensuring user-friendly control and ease of operation.
- Benefit from a large movement range, facilitating flexible positioning for diverse imaging scenarios.
- With a robust design, the table supports up to 200kg, providing a reliable and versatile platform for various medical procedures.
- Enhance patient comfort and streamline imaging processes with the dynamic features of the six-way floating table.

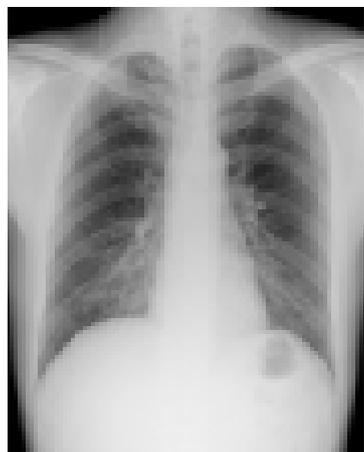


UPGRADABLE DUAL FPD OPTIONS

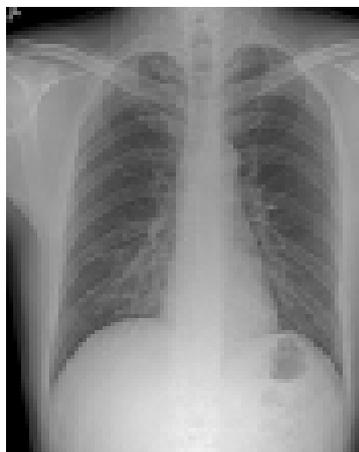
- Tailor your setup with the flexibility to choose between wired or wireless configurations, ensuring seamless integration into your medical environment.
- Optimize image quality with a choice between 17x17 inch or 14x17 inch detectors, providing versatility for various imaging requirements.
- Experience enhanced diagnostic capabilities and adaptability with the upgradable dual FPD options, meeting the evolving needs of modern medical imaging.
- Benefit from the latest technology, allowing you to stay at the forefront of medical imaging advancements.

ADVANCED ALGORITHM ENHANCES IMAGE CLARITY

- Utilizes image processing for enhancement, balance, and noise reduction.
- Allows automatic or manual adjustment of image grayscale.
- Includes a specialized screening program for pneumoconiosis.



Original



Processing



Processed

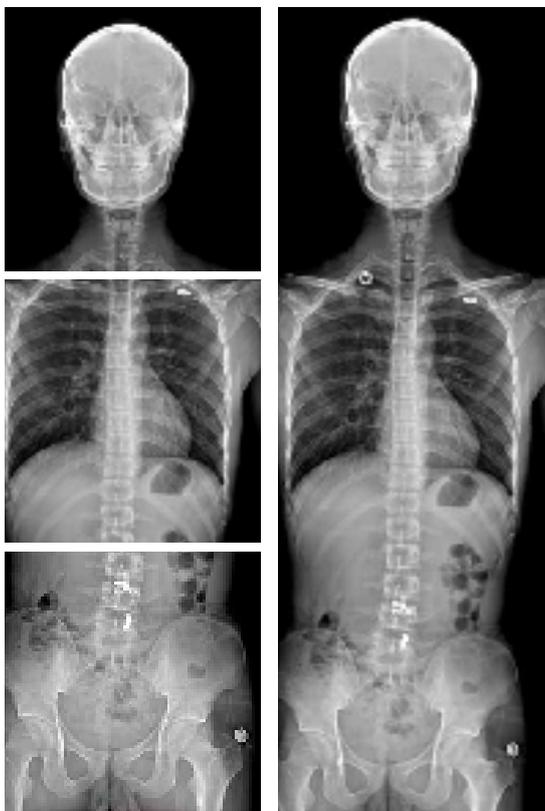
VERSATILE WORKSTATION CAPABILITIES

- Input and retrieve patient information seamlessly.
- Adjust exposure parameters effortlessly.
- Utilize advanced software features such as APR, DAP, and AEC.
- Perform image printing, transfer, and storage efficiently.



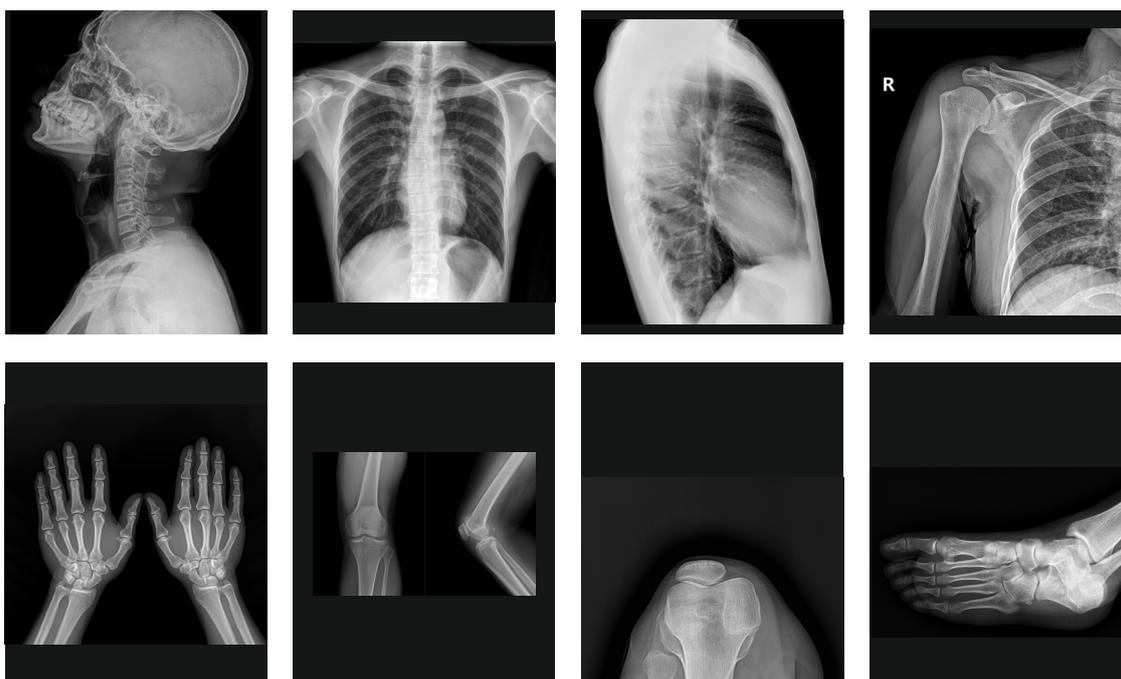
ADVANCED PANORAMIC IMAGING

Utilizing sophisticated algorithms, seamlessly merge images of the upper limb, lower limb, and spine for enhanced preoperative diagnostics in clinical settings. This groundbreaking technology provides comprehensive visual insights, aiding healthcare professionals in making informed decisions for patient care and treatment planning.



EXCEPTIONAL IMAGE CLARITY

A high-frequency generator and robust tube guarantee superior image quality while minimizing X-ray exposure to patients.





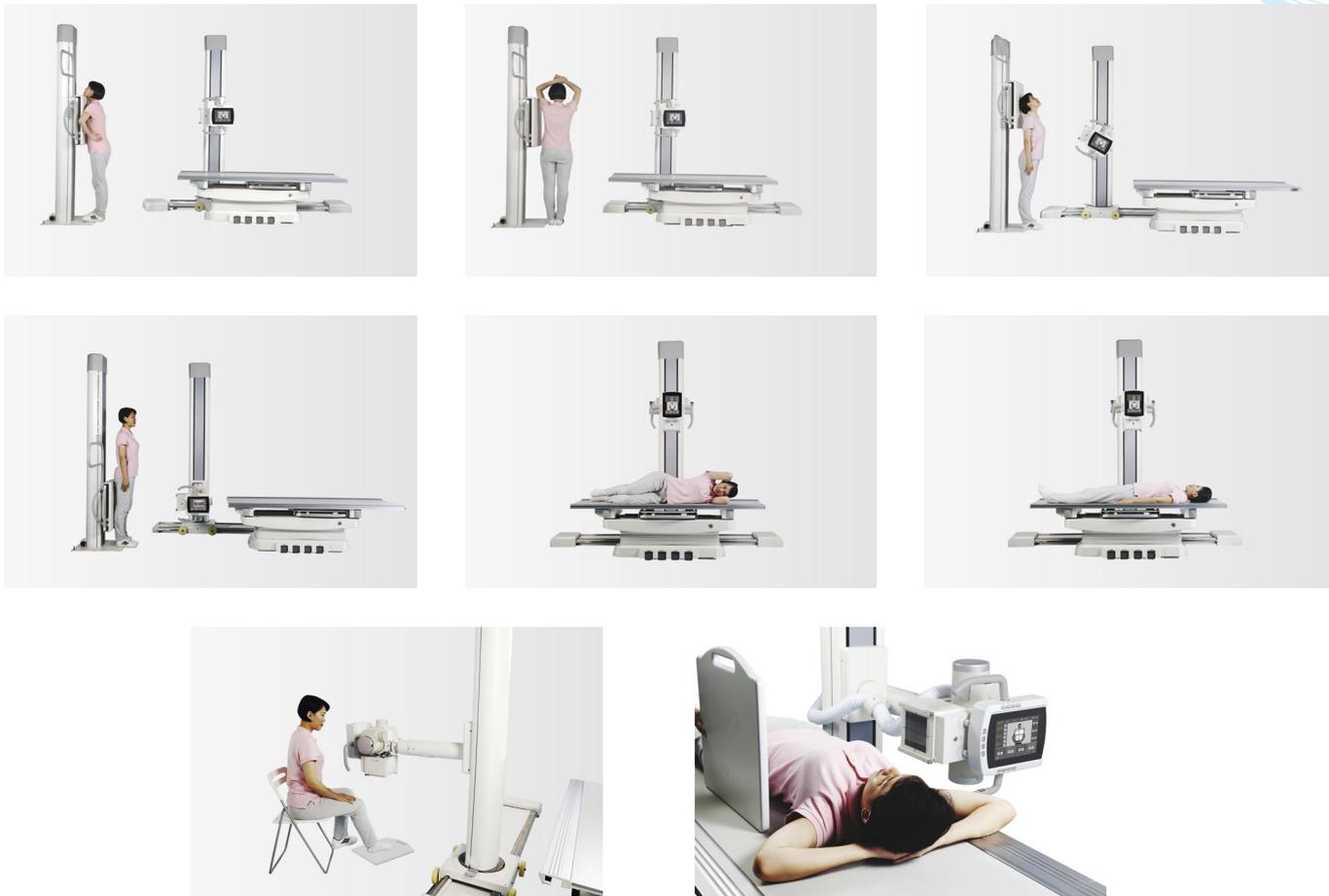
DYNAMIC POSITIONING WITH AUTOMATED TRACKING

Effortlessly synchronize tube and standing bucky movement with automatic tracking, conducting auto-SID in the supine position. This streamlines workflow, resulting in significant time savings.



VERSATILE CLINICAL ADAPTABILITY

Featuring extensive frame movement and supporting detectors up to 17"x17", ERAY CF Auto Premium adapts to diverse imaging and positioning needs. This flexibility empowers healthcare professionals to conduct X-ray exams effortlessly across various clinical requirements. From routine examinations to specialized diagnostic tasks, the system's adaptability ensures precise imaging, enhancing the overall diagnostic capabilities of healthcare providers. With ERAY CF Auto Premium, versatility meets excellence, setting a new standard in clinical adaptability for modern medical imaging solutions.



Technical Highlights

X-RAY GENERATOR

MODEL	ERAY RAD 630S	ERAY RAD 800S	ERAY RAD 1000S
POWER	50kW	80kW	80kW
mAs RANGE	0.1~630mAs	0.1~800mAs	0.1~1000mAs
kV RANGE	40kV~125kV		
mA RANGE	10mA~630mA	10mA~800mA	10mA~1000mA
MAX. POWER OUTPUT	150kV 330mA 125kV 400 mA 100kV 500mA	150kV 50mA 125kV 630 mA 100kV 800mA	150kV 50mA 125kV 630 mA 100kV 800mA
LINE NOMINAL, PHASE	Three Phase, 440V ±10%, 50/60 Hz		
INVERTER FREQUENCY	220kHz		
TIME RANGE	1ms~1000ms		
POWER REQUIREMENT	380 VAC		
EXPOSURE MODE	Manual & Automatic		

X-RAY TUBE

FOCAL SPOT SIZE	0.6mm/1.5mm	0.6mm/1.2mm	0.6mm/1.2mm
MAX ANODE	200kHU	300kHU	300kHU
MAX kV	150kV		
ROTARY ANODE	4800 RPM	7200 RPM	7200 RPM

ERAY GOLD FLAT PANEL DETECTOR

MODEL	ERAY GOLD14	ERAY GOLD17
DIMENSION	383 x 460 x 15 mm	460 x 460 x 15 mm
SENSOR ARRAY	a-Si Photodiode	
SCINTILLATOR	CsI / GOS	
RESOLUTION	2500 x 3052	3072 x 3072
PIXEL SIZE	140 um	
GRAYSCALE	16 bit	
WIFI	802.11ac / 2 antennas / 2s scan to display / AP Mode	
DROP HEIGHT	70 cm	
HOUSING MATERIAL	Mg-Al alloy	
WEIGHT (BATTERY INCLUDED)	2.7 kg	3.2 kg
WATERPROOF	IP56	
DURABILITY (FACE LOAD/ POINT LOAD)	300 / 120 kg	
TRIGGER MODE	AED Mode	
BATTERY AUTONOMY	8 Hours*	

*In SYNC mode, user can capture more than 1000 images a every 30 seconds and lasting over 8 hours.

AUTO TRACKING MODULE

AUTO TRACKING AVAILABLE	Yes
AUTO POSTIONING AVAILABLE	Yes

TUBE STAND ASSEMBLY

LENGTH OF THE RAIL	2910mm, deviation±5%
HEIGHT OF TUBE STAND	2390mm, deviation±5%
TUBE STAND ROTATION ANGLE	±180°, deviation±2%
TUBE STAND HORIZONTAL MOVEMENT RANGE	2100mm, deviation±5%

VERTICAL CHEST STAND

TUBE VERTICAL MOVING RANGE	1345mm, deviation±5%
BUCKY VERTICAL MOVEMENT RANGE	1425mm, deviation±5%

6 - WAY TABLE

SIZE	2000mm x 800mm x 5300mm (deviation±5%)
BED LIFTING RANGE	530mm - 880mm (deviation±5%)
LONGITUDINAL FLOATING RANGE	<525mm
HORIZONTAL FLOATING RANGE	<285mm
BEARING WEIGHT	250kg
FLOATING CONTROL MODE	Footswitch, Electromagnetic Control

IMAGING STATION-CONSOLE

OPERATING SYSTEM	Windows 10
CPU	i5 10th Generation
RAM	16GB
HARD DISK	1TB
IMAGE STORAGE	10000 images
SCREEN SIZE	22 inch

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