



# CEILING SUSPENDED X-RAY

## ERAY RAD 1000S

# Precise & Convenient  
#Wireless Innovation Classic Design

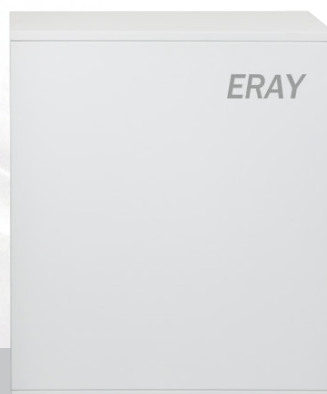




## Keep Innovating Just for You

Smooth Operation, Perfect Performance More Possibilities, Wireless Brilliance  
Refine The Life Technology in Every Detail

Edusoft is committed to improve the efficiency





and quality of digital X-ray examination comprehensively and create a comfortable and extraordinary experience for all users.







## SMOOTH OPERATION PERFECT PERFORMANCE



### Intelligent Five-axis Simultaneous Operations

Synchronize the operation of X-ray tube and detector for Up/Down lift and rotation with hanger movement, which enhances the efficiency of examination.



### Customized Intelligent One-click Positioning Function

Automatic positioning for all body postures at a simple one-click, faster and more efficient.



### Automatic Positioning Tracking

X-ray tube and detector support automatic tracking in standing and lying positions, achieve the horizontal and vertical tracking positioning.



### Multi-modes Control

Three control modes: Bull-head buttons, Touch-screen and Remote control, for convenient operation and more effective examination.



## Wireless Transmission

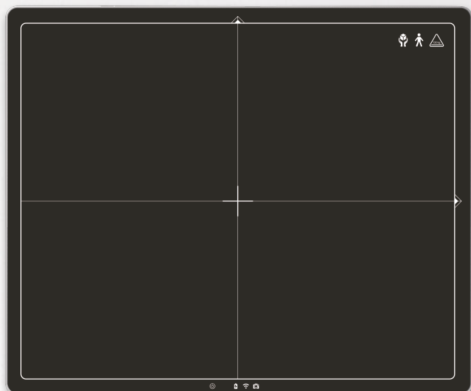
Brand-new wireless flat-panel detector and 5G network transmission, gets rid of unnecessary cables.

## Smart Real-time Charging

The wireless flat-panel detector can be charged in real-time in the chest rack and Bucky of the imaging bed, which will reduce the annoyance of replacing the battery.

## Interchangeable Battery

The removable battery function satisfies long power backup requirements for special applications (non-traditional Bucky).





# MORE POSSIBILITIES

## WIRELESS BRILLIANCE

### Dual Battery and Dual Charging

Dual battery: Each flat-panel detector is equipped with two lithium batteries (easily replaceable) Dual charging: Real-time charging and dedicated battery charging slots, which realizes the constant power supply in various scenarios.

### 1-Second Imaging (Optional)

The brand-new flat-panel detector is equipped with a high-speed acquisition module that enables high-speed imaging in 1-second, which greatly reduces the pressure of crowded patient examinations, such as: health examinations.

### 150KG

High-level loading capability can meet the imaging requirements for vast majority of big and tall patients, who need to keep standing postures on the flat panel detector.

### Full-size Flat-Panel Detector

The 17 x 17-inch amorphous silicon full-plate detector (single-plate and dual-plate are both optional) with full field of view, supports full body imaging for different postures. High pixel matrix and ultra-high resolution make crystal imaging without missed diagnosis.

**Supports All Postures Including: Upright position, Wheelchair position, Stretcher position, etc.**

### Refine The Life Technology in Every Detail

-  Wireless remote control
-  Concealed tank chain
-  Electric lift imaging bed
-  DAP system
-  Bedside console LCD touch-screen
-  Integrated workstation
-  i-Vision DR Platform
-  Low-dose intelligent exposure system



# Technical Highlights

## ERAY

MODEL	ERAY RAD 1000S
POWER	80kW
mAs RANGE	0.4~1000mAs
kV RANGE	40~150kV
mA RANGE	40kV~150kV
mA RANGE	10mA~1000mA
MAX. POWER OUTPUT	150kV 500mA 100kV 800 mA 80kV 1000mA 150kV 400mA
LINE NOMINAL, PHASE	Three Phase,440V ±10%, 50/60 Hz
INVERTER FREQUENCY	220kHz
TIME RANGE	1ms~10000ms
POWER REQUIREMENT	380VAC
EXPOSURE MODE	Manual & Automatic

## X-RAY TUBE

TUBE MODEL	Canon
FOCAL SPOT SIZE	0.6mm/1.2mm
MAX ANODE	300kHU
MAX kV	150kV
ROTARY ANODE	7200 RPM

## ERAYGold FLAT PANEL DETECTOR

MODEL	ERAYGold 14	ERAYGold 17
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*	

## PATIENT BED

SIZE (L X W)	2000 X 800 mm
BED LIFTING RANGE	530-880 mm
LONGITUDINAL FLOATING RANGE	480mm
HORIZONTAL FLOATING RANGE	285mm
BEARING WEIGHT	270kg
BED LIFTING RANGE	530-880mm
BED PANEL FLOATING	6-way floating
FLOATING CONTROL MODE	Foot switch, electromagnetic control



## IMAGING STATION-CONSOLE

OPERATING SYSTEM	Windows 10
CPU	i7 8th Generation
RAM	16GB
HARD DISK	1TB
IMAGE STORAGE	10000 pieces
SCREEN SIZE	19 inch

## Clinical Images



\*NOTE: For reference purpose only.

## Edusoft Healthcare Limited

(Formerly Known as Edusoft Healthcare Private Limited)

B-83, Phase-II, Mangolpuri Industrial Area, New Delhi-110034, India

[ceo@edusofthealth.com](mailto:ceo@edusofthealth.com)

1800-120-280-280

+91 8851248073, +91 8826066621

• Noida • Lucknow • Chandigarh • Pune • Bhopal • Chennai • Bengaluru • Kolkata  
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