

50KW MOTORIZED DIGITAL MOBILE X-RAY

ERAY SMART 50T



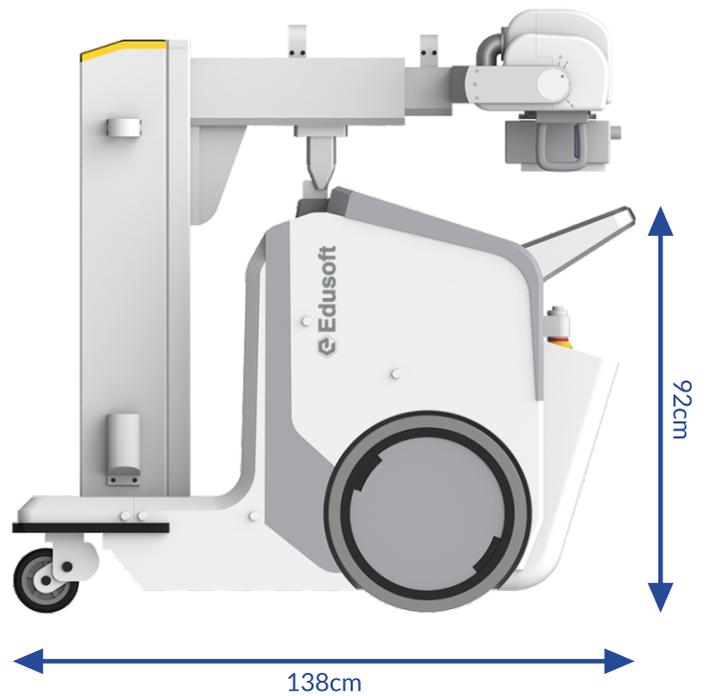
OUTSTANDING DRIVING &
EXCEPTIONAL MANEUVERABILITY



ERAY SMART 50T

The ERAY SMART 50T is a lightweight and portable digital radiography system that provides high-quality imaging results. It is designed to be flexible, efficient, and easy to operate, making it ideal for bedside X-ray imaging in different complex environments. The system's advanced technology produces sharp and clear images, enabling doctors to diagnose medical conditions accurately. Its motorized features enable easy positioning and movement, minimizing disturbance to the patient. Overall, the ERAY SMART 50T is a reliable and efficient solution for medical imaging.

DEMENSIONS



UPTO 40%
DOSE REDUCTION

IMPROVE EFFICIENCY WITH CONTINUOUS OPERATION

-  Lightweight & Mobility
-  Robust Endurance
-  Infinite Possibilities



FULLY MOTORIZED AND BATTERY BUILT IN MOBILE DR UNIT

LIGHTWEIGHT & MOBILITY



SLIMMEST BODY DESIGN

The equipment has a slim body design, which is approximately half the height of an adult. This design ensures that the technician's sight is not obstructed during use.



ELECTRIC MOTION BOOSTER

The electric motion booster function is specifically designed for female users, enabling them to move the unit easily with one hand. This feature enhances mobility and convenience during use.



BEDSIDE MICRO-CONTROL

The x-ray tube's end design enables easier management of the system's movement and rotation. Users can position it at any desired angle or position for better imaging results.



SUPERB INCLINE MOVEMENT ABILITY

The system is equipped with a new driving device and a powerful motor that provides excellent performance. It can achieve a maximum inclined angle of up to 12°, allowing for more precise imaging in different positions.



FULL-POSITIONING OPERATION WITH ONE-HAND

With one-hand operation and one-key unlocking, the system supports 5-axle simultaneous operation. The x-ray tube offers 360° full coverage and can suspend at any height according to user requirements, making it easy to use in various situations.



PRECISE POSITIONING CONTROL

The precise positioning control buttons on the machine allow for accurate and smooth movement to adjust the machine's position and direction. The buttons can be used to make slight and gradual adjustments for better placement of the machine during imaging.

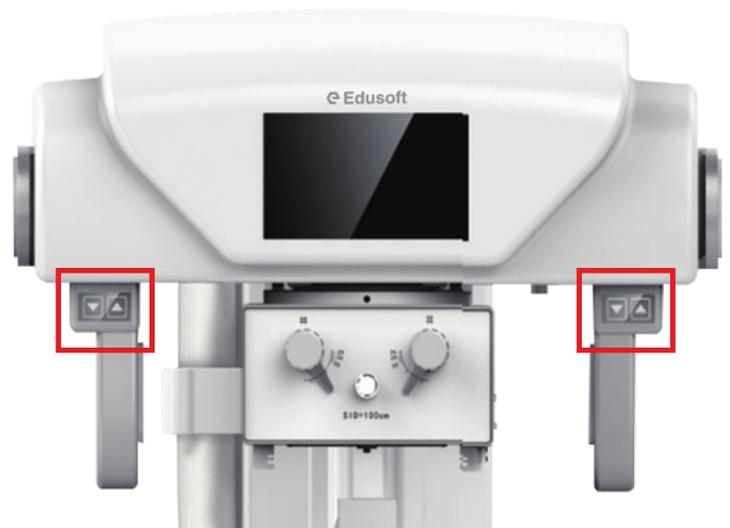
POWERFUL

The Enhanced Climbing Power

12°



- Clockwise/Anticlockwise rotation
- 5-axis linkage to complete the lifting
- Telescopic and rotational position adjustment of the tube



STREAMLINE WITHOUT COMPROMISE

ROBUST ENDURANCE

1

1-YEAR POWER-OFF STANDBY

The device has a 1-year standby mode under power-off status, providing convenience and efficiency in emergencies.

2

TWO EXPOSURE MODES

The device supports two exposure modes: built-in battery exposure and 110/220V power supply exposure. This feature enables users to use the device in different settings, ensuring its flexibility and versatility.

3

SUPER-FAST 3-HOUR CHARGING (OPTIONAL)

The device supports super-fast charging mode, which can fully charge the battery from 0 to 100% in just 3 hours. Additionally, regular charging takes only 5 hours, providing quick and efficient charging options.

100

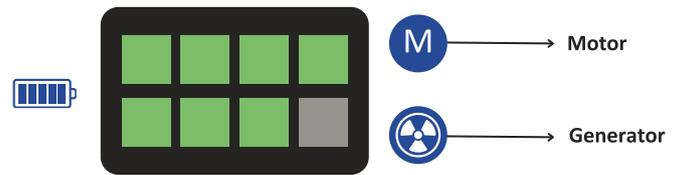
A HUNDRED KM OF MOVEMENT

With a full battery charge, the device can be moved for at least 100km, providing flexibility in different environments and settings.

1200

1200 TIMES OF EXPOSURES

The device supports up to 1200 exposures for a fully charged battery (standard adult chest radiography), ensuring that it can handle the demands of high-volume imaging.



Fast Charging	Fast Capacity	All Day Operation	Stand-by time
3-4 hours	50 Ah	1000 exposures 57 Km	24 hours

BATTERY DURABILITY



PREP EXPOSURE BUTTON 3 STEP MAXIMUM DURATION: 5 SECONDS

BOOST OPERATIONAL EFFICIENCY AND SAVE TIME

INFINITE POSSIBILITIES

WIRELESS TRANSMISSION

The ERAY flat panel detector and 5G network transmission eliminate the need for cumbersome cables, providing a more streamlined and efficient workflow.

ONE-PLATE SHARING (OPTIONAL)

An additional portable acquisition system allows for sharing one plate among multiple X-ray machines or mobile X-ray applications, providing greater flexibility and cost savings.

FOUR EXPOSURE MODES

The system offers four different exposure modes, including hand brake, wireless remote control, software timer, and visualization pad, providing users with a variety of options to choose from.

RADIO FREQUENCY REMOTE CONTROL

The system uses radio frequency signal transmission, enabling effective communication with an effective distance of up to 15 meters, without being obstructed by walls or other obstacles.

HIGH-PRECISION ANTI-COLLISION SYSTEM

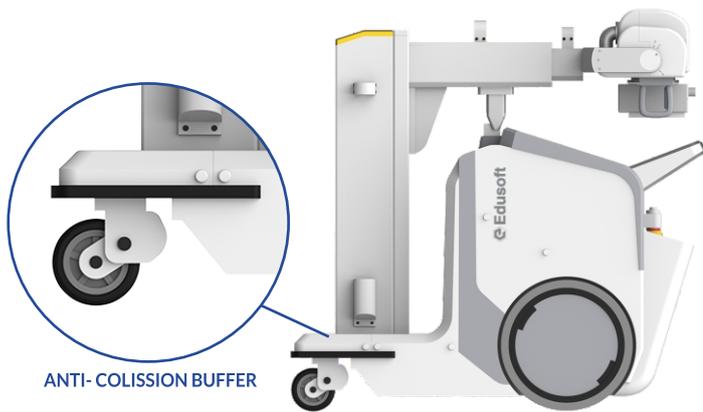
The system is equipped with a high-precision anti-collision system that immediately applies brakes when encountering obstacles, ensuring the safety of equipment and pedestrians.

OPTIONAL CHEST-RADIOGRAPHY STAND AND FLOATING/HBT TABLE

The system offers optional accessories such as chest radiography stand and floating/HBT table, providing users with greater versatility and convenience.

DAP SYSTEM

THE SYSTEM INCLUDES A DOSE AREA PRODUCT (DAP) SYSTEM, WHICH PROVIDES USERS WITH AN ACCURATE MEASURE OF RADIATION DOSE, HELPING TO ENSURE THAT PATIENTS RECEIVE THE MINIMUM NECESSARY RADIATION EXPOSURE DURING PROCEDURES.



An effective distance of up to 15 meters

- Collimator Lamp Button
- Exposure Control
- Mobile Unit Control

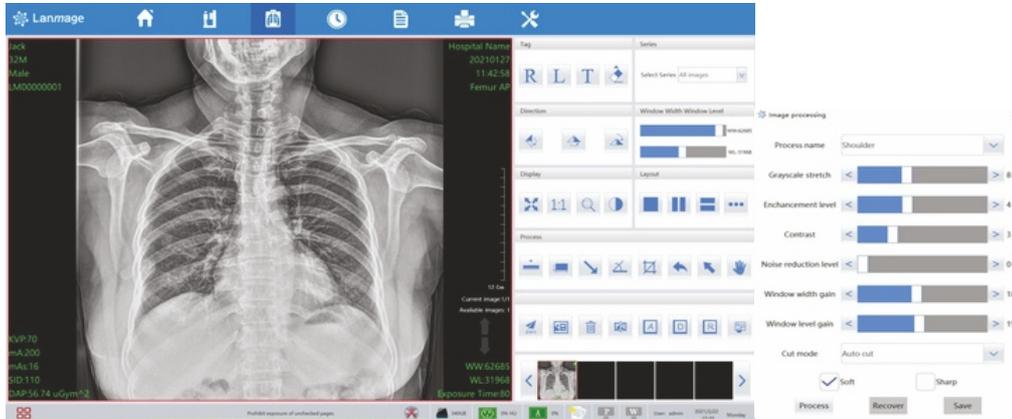


DAP (Dosed Area Product)

- To monitor the dose per unit area and exposure index
- Monitor current radiation dose in real time
- Provide the best exposure moment

DIGITAL WORKFLOW

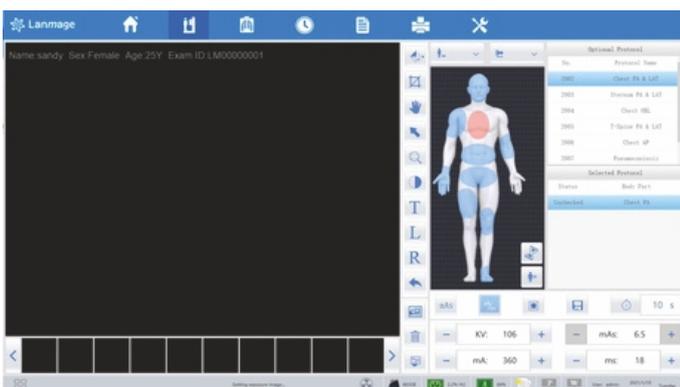
By transitioning to digital ERAY SMART 50kW, the radiography process can become more efficient and user-friendly compared to traditional analog methods. With this digital system, patients and clinicians can both experience benefits, as clinicians can allocate more time to patient care. The user interface of Fineview is specifically designed to streamline the radiology workflow. By utilizing data from the radiology image system (RIS), Fineview can automatically adjust image processing, printing, and exporting settings to ensure optimal results. Additionally, all generator functions are integrated into Fineview, freeing up valuable space and time.



DICOM

ERAY Mobile is DICOM compatible. This means that you can benefit from all relevant DICOM services offered via this common medical data transfer standard. Storing, retrieving, printing and other features may enhance your workflow. You can choose between the complete DICOM package, which includes:

- DICOM WLM and Classic RIS (Work List Management)
- DICOM MPPS (Modality Performed Procedure Step)
- DICOM Print
- DICOM Image Export, which includes the services DICOM
- Store and Storage Commit or you can choose each DICOM function individually



ERAY WORKFLOW SOLUTION

- Easy User Interface & Simple Workflow
- Professional Image Processing for Diagnostic Use
- DICOM 3.0 Compatible [Worklist, Storage, Printing]
- A variety of Image Measure Tools

OFFERS SMOOTH ACCESS TO YOUR DESTINATION

ERAY Gold FLAT PANEL DETECTOR

The ERAY Gold Premium Flat Panel Detector is a user-oriented product designed to provide high-quality images, enhanced work efficiency, and convenience. It features a lightweight design, dual battery support for extended use, and an innovative Wi-Fi antenna for seamless connectivity. This detector prioritizes user experience, ensuring top-notch performance and ease of operation in medical imaging applications.



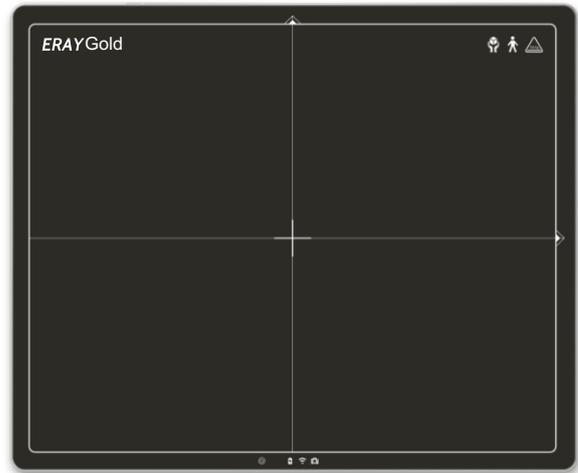
LIGHT WEIGHT DESIGN



HIGH IMAGE QUALITY
(a-Si Photodiode)



LONG-LASTING FEATURE



FLAT PANEL DETECTOR SPECIFICATIONS

MODEL	ERAY Gold 17
DIMENSION	460 x 460 x 15 mm
SENSOR ARRAY	a-Si Photodiode
SCINTILLATOR	CsI / GOS
RESOLUTION	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)	3.2 kg
WATERPROOF	IP56
DURABILITY (FACE LOAD/ POINT LOAD)	300 / 120 kg
TRIGGER MODE	AED Mode
BATTERY AUTONOMY	8 Hours*
LOG FILE	Log File, sensor data and other calibration data are available
ACCESSORIES	Battery / Magnetic connector cable with ethernet and power
OPERATION TEMPERATURE/HUMIDITY	10 ~ 35 °C / 15 ~ 80 %

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

Technical Highlights

X-RAY GENERATOR

TYPE	High Frequency
POWER OUTPUT	50kW
kV RANGE	40kV~ 150kV
mA RANGE	10mA~ 630mA
mAs RANGE	0.1mAs ~ 630mAs
INVERTER FREQUENCY	270kHz
TIME RANGE	0.1ms ~ 10s

X-RAY TUBE & COLLIMATOR

FOCAL SPOT	0.6mm~1.2mm
ANODE HEAT STORAGE CAPACITY	300 kHU
ROTATE ANODE (RPM)	10800 RPM
ADVANCED COLLIMATOR	LED with High Intensity (360° Rotation)

TUBE STAND COLUMN

COLUMN	Telescopic Arm with $\pm 315^\circ$ Rotation
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CONSOLE UNIT

OPERATING CONSOLE	Fully Integrated Touch Console
SIZE	21 Inch
IMAGE STORAGE	Upto 3000 Images
CPU	i5
RAM	8GB
HDD/SSD	500GB
DAP (DOSE AREA PRODUCT METER)	Standard
AEC (AUTOMATIC EXPOSURE CONTROL)	Optional

ACCESSORIES

REMOTE CONTROL	Standard
FLAT PANEL DETECTOR	Standard

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