



# ULTRA PORTABLE HANDHELD X-RAY WITH ERAY GOLD DETECTOR & TB AI



## ERAY SMART 5HS

is 3.9 kg in weight. Faster imaging is possible thanks to its portable design, which makes it simple to transport into patients homes and other locations with limited space. Mounting the ERAY SMART 5HS on its support stand is quick and easy because to its light weight and good usage. The main unit's side may accommodate the hand switch. This decreases the difficulty of carrying and the possibility of losing the hand switch. More lightweight than ever is the internal lithium polymer battery. It can operate without electricity in conditions where they can capture up to 150 images\* on a single charge.



LIGHTWEIGHT & EASY TO MOUNT ON IT'S SUPPORT STAND



HIGHLY DURABLE LED LIGHT SOURCE



EASY-MAINTENANCE DESIGN



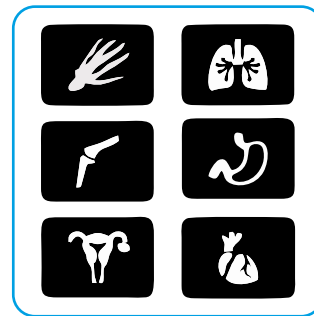
USER-FRIENDLY BUTTON LAYOUT



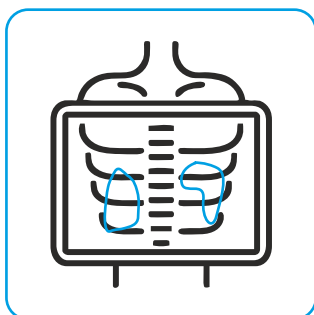
EXCELLENT PORTABILITY, ENABLING USE IN PATIENT'S HOME



NEONATAL INTENSIVE CARE UNIT (NICU)



GENERAL RADIOGRAPHY



MASS TESTING FOR TB DETECTION



VETERINARY (Optional)

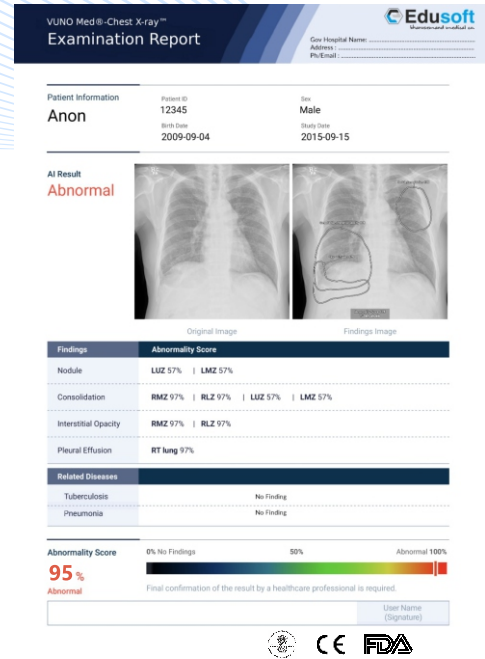
# TB AI SOFTWARE FOR MASS TESTING

Edusoft Healthcare, in exclusive collaboration with VUNO Med-Chest X-ray, Korea (EU-CE & US FDA cleared), brings you an advanced AI-based diagnostic support system for detecting TB disease in chest X-rays. This innovative solution instantly identifies and flags potential chest abnormalities, offering unparalleled accuracy in diagnosing major pulmonary diseases, including tuberculosis, pneumonia.

## The system enhances Radiological reporting by providing

- Detailed information on abnormalities.
- Precise abnormality scores for better diagnostic confidence.
- Visualized lesion locations using heatmaps for clarity.

Designed to maximize efficiency and accuracy, this cutting-edge technology empowers healthcare professionals to deliver faster, more reliable diagnoses.



## Available For Kids & Adult (Optional)

> 93 % Accuracy

### Detection



### Screening

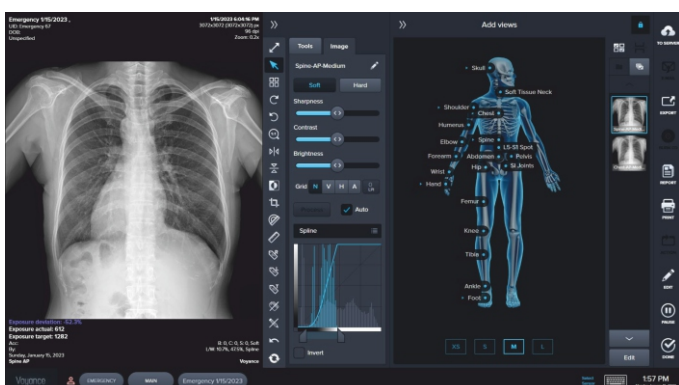


## ERAY Gold FLAT PANEL DETECTOR & ERAY IMAGESUITE ACQUISITION SOFTWARE

Edusoft Healthcare proudly launches ERAY ImageSuite, our proprietary image acquisition software designed to increase productivity by 1.5x, enhance patient care, and eliminate downtime while securing patient data. With features like Auto stitching, DICOM printing, hardware integration, and advanced chiropractic tools, ERAY ImageSuite redefines efficiency and functionality.

For the first time in India, the software integrates CXR TB Screening AI, Bone Fracture AI, and Bone Suppression AI, making it the most intelligent and versatile imaging solution with unmatched image quality and advanced AI capabilities.

Paired with the ERAY Gold Premium Detector, which offers lightweight design, extended battery support, and seamless connectivity, the ERAY ImageSuite sets a new benchmark in medical imaging excellence.



## Technical Highlights


### ULTRA - PORTABLE HANDHELD X-RAY

X-RAY GENERATOR	TYPE	Human Medical X-Ray
	Power Output	Upto 400W
X-RAY PERFORMANCE	Tube Voltage	50~80kV (1kv step)
	Tube Current	2~5mA (1mA step)
X-RAY CONTROL	Exposure Time Set	0.01~2.00sec
COLLIMATOR	SID	100cm/43cm x 43cm
X - RAY TUBE	Anode Type	Stationary
	Anode Angle	16°
	Focal spot	0.8 mm
	Anode Heat Capacity	8000 J/ 11000 HU
	Max. Anode Cooling Rate	110W
	Nominal Anode Input Power at 0.1s (DC)	11280 W
POWER REQUIREMENT	Battery	Li-Polymer 22.2 VDC, 2200 mAh
	Number of Exposure	Upto 150 Exposure at 10kV,5 mA, 0.1 sec
	AC Power Adapter	AC 100~240V, 50/60 Hz
	Charging Time of Battery	About 1.5~2.0 hour
WEIGHT	Main Body	3.9Kg
DIMENSION	Main Body	266 x 260 x 163 mm


### FLAT PANEL DETECTOR

ACTIVE DISPLAY AREA	14"x17"	17"x17"
DIMENSION	383 x 460 x 15 mm	460 x 460 x 15 mm
SCINTILLATOR	CsI / GOS	
GRAY SCALE	16 bit	
PIXEL	140 um	
INTERNAL STORAGE	Upto 200 images	
PANEL WEIGHT	3.0 kg	3.5 kg
FACE LOAD/POINT LOAD	300 / 120 kg	
IP RATING	IP56	
DROP TEST	1 Meter	
DQE at 0.5lp/mm	70%	
MTF at 0.5lp/mm	upto 86%	

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