

# PORTABLE HANDHELD X-RAY-90kV

Step into the future of innovative and diagnostic imaging with the **ERAY Handheld X-Ray** – an ultra-light, **AI-enhanced Portable X-ray solution** engineered for modern, on-the-go healthcare. Whether in a clinic, rural outreach, emergency ward, or ICU setting, this handheld marvel delivers **precise imaging with minimal radiation**, anytime, anywhere.

Weighing just **3.0 kg**, it brings radiology to the patient – no power cords, no complex setup – just point, shoot, and review. Designed for **mobility, safety, and speed**, the ERAY Handheld X-Ray helps healthcare providers make faster, better-informed decisions at the point of care.

## KEY FEATURES:

- **Power That Performs** – Delivers **90kV / Upto 10mA** output for consistently crisp, high-resolution images
- **Ultra-Light. Ultra-Ready** – One of the lightest in its class – easy to carry, easier to operate.
- **Smarter. Safer. AI-Driven** – Built-in AI scatter correction reduces radiation noise by over 50%, ensuring clearer images.
- **Designed for Humans. Built for Clinics.** – From patient motion alerts to an intelligent distance sensor and bookmarking tools – everything is tailored to support real clinical efficiency.
- **See More. Wait Less** – Instant image preview on your mobile device – no extra steps, no delays. Speed up diagnosis like never before. (Optional)
- **Precision, Measured** – Integrated **DAP** meter helps monitor and manage radiation dose with confidence.
- **Language Is No Barrier** – Operate effortlessly in your preferred language – supports English, Hindi, and Tamil.
- **Mobility Without Compromise** – Perfectly suited for emergency rooms, ICUs, mobile units, and outreach camps – this is diagnostic freedom at its best.



# Technical Highlights

MODEL	ERAY SMART 5HS+ / 6HS*	
X-RAY GENERATOR	POWER OUTPUT	Upto 450W
	KV RANGE	50 - 90 kV
	mA RANGE	2mA~10 mA
	mAs RANGE	0.10 -10 mAs
COLLIMATOR	SID	43cm x 43cm @100cm SID
	LAMP	3.3v LED Lamp
X-RAY TUBE	TYPE	Stationary
	FOCAL SPOT	0.8 mm
	TARGET ANGLE	16°
	ANODE HEAT STORAGE CAPACITY	8000 J
	ANODE HEAT	11kHU
	INPUT POWER (AT 0.1 SEC)	1280 W
	INHERENT FILTRATION	2.5mm Al Eq
POWER REQUIREMENT	LI-POLYMER BATTERY	22.2VDC, 2,200mAh
	NUMBER OF EXPOSURES	About 150 Times (70 kV, 5mAs)
	AC POWER ADAPTER	AC 100-240V, 50/60Hz (25.2V / 1.5A)
	CHARGING TIME OF BATTERY	About 1.0 - 1.5 hour
WEIGHT	MAIN BODY	3.0 kg
SIZE	MAIN BODY	249mm x 194mm x 194mm

\*Under Approval  
Private Circulation Only

## Clinical Images\*



NOTE: \*For reference purpose only

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