

CVX Low Dose Handheld X-Ray



Ultra-Lightweight | High-Quality Imaging | Real-Time Diagnosis



**Seamless Integration in Hospital at Home,
Senior Care Facility, & Emergency Medical Settings**



TAIWAN
EXCELLENCE 2026



US FDA and TFDA Approved



RoentXen
PORTABLE X-RAY SYSTEMS



CHALLENGE

Traditional Limitations



Mobility Burden

Stressful patient transfers
and hospital infection risks



Radiation Safety

High radiation exposure dosage
and potential leakage risks



Workflow Efficiency

Delays between clinical visits and
obtaining imaging results

SOLUTION

ERI RoentXen CVX Series



True Portability

Lightweight design
enables mobility
and direct bedside care



Safe Defense

Low-dose technology protects
both patients
and medical staff



Instant Diagnosis

High-quality real-time images
for immediate diagnosis
anywhere

Safety Reinvented



Mobility

**3.2kg Portable
Quick Setup**



Precision

**High-Resolution
Images**



Low Dose

**1/4 Standard
X-ray Dose**

Specifications

Product Series	ERI CVX Handheld X-ray System
Models	CVX-air / CVX-lite / CVX-E
Core Technology	Carbon Nanotube (CNT) Cold Cathode X-ray Tube
Dimensions	147(H) × 211.1(W) × 161.7(D)mm
Weight	3.2 kg (7.05 lbs)
Max Output (kV / mA)	Up to 70kV / 1.0mA
Focal Spot	0.45 mm
Power Source	DC Rechargeable Li-ion Battery
Battery Capacity	100–150 exposures per full charge
System Connectivity	Wireless integration with DR flat panel detectors
Safety & Compliance	Extremely low radiation leakage (1.6 µGy/hr)

Trusted by Top-tier Medical Centers Within Taiwan Leading Globally Top-ranked Healthcare Systems

Extended Usage Scenarios



Accident Scene



Sports Injury Scenario



Field Medical Scenario

- ✓ Provide Hospital-grade Imaging Anywhere ✓ Enabling the future of Hospital-at-Home care

About Us

Headquartered in the Hsinchu Biomedical Science Park, Taiwan, Energy Resources International (ERI) is a global pioneer in Carbon Nanotube (CNT) Cold Cathode X-ray technology, dedicated to transforming medical imaging through low dose, low radiation leakage, high resolution quality, and portable handheld solutions.

Innovation

- CNT Cold Cathode X-ray Technology Pioneer
- Low Radiation Dose with High Imaging Quality
- True Portability at 3.2 kg for Handheld
- Quick System Setup for Immediate Imaging

Certification

- US FDA 510(k) Cleared (K234108)
- TFDA Approved



RoentXen
PORTABLE X-RAY SYSTEMS

ENERGY RESOURCES INTERNATIONAL CO., LTD.

2F-5, No. 6-1, Sec.2, Shengyi Rd., Zhubei City, Hsinchu County 302058, Taiwan



+886-3-6585-156



sales@roentxen.com



www.roentxen.com

