

# PORTABLE X-RAY PRICING & COST GUIDE

*What It Really Costs to Buy a Portable X-Ray System in 2026*

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Medical Imaging Equipment Buyer's Guide | [AmberUSA.com](https://AmberUSA.com)

Pricing on a refurbished Portable X-Ray system swings widely depending on the model, generator size, and detector configuration. Basic entry-level units start around \$40,000, mid-tier systems commonly fall between \$60,000 and \$75,000, and top-end premium platforms can reach close to \$100,000.

This guide is built to help you navigate the financial side of acquiring a Portable X-Ray system — whether you are expanding a healthcare facility, replacing an aging unit, or managing a hospital capital budget. We will walk through the price tiers, the features that move the cost, the benefits of buying refurbished, and the additional expenses that often catch buyers off guard.

## What's Covered in This Guide

- Pricing tiers and what each one delivers
- Why refurbished Portable X-Ray makes financial sense
- Additional costs to plan for beyond the system
- How to match a tier to your facility's workflow

Most Portable X-Ray purchases ultimately come down to matching the right tier to your patient volume and clinical workflow. This guide gives you the framework to do that without overspending or under-buying for your needs.

### NEED A CUSTOM QUOTE?

Every facility has a unique mix of patient volume, mobility needs, and workflow demands. Reach out to our sales team for personalized pricing on the Portable X-Ray configuration that fits your environment — we can pull options across refurbished inventory, plus financing structures tailored to your budget.

## 1. Portable X-Ray Pricing Tiers Explained

Portable X-Ray systems split cleanly into three tiers, each one tied to a different combination of generator power, detector technology, mobility features, and patient throughput. Understanding where each tier fits in the market makes it easier to match a system to your facility's actual workload — and avoid paying for capability you will not use.

### ENTRY-LEVEL TIER

#### ENTRY-LEVEL

**\$40K – \$45K**

The most budget-conscious option, well-suited for urgent care clinics, solo-practitioner offices, and low-volume environments. These compact units are also a practical choice for house-call applications because of their smaller generator footprint. Note that entry-level platforms do not include a natively integrated digital detector, which keeps the price down but adds a separate purchase to the equation if you need DR imaging.

- ▶ **Generator:** 1.5 to 2 kW
- ▶ **Daily workflow:** 7 to 10 patients per day

#### Representative Models:

- ▶ GE AMX IV
- ▶ Amrad Dragon

## INTERMEDIATE TIER

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\$45K – \$65K

The intermediate tier hits the balance between performance and price that most imaging centers and small-to-mid orthopedic practices are looking for. These units include motorized drives — a meaningful upgrade for facilities that move the unit between exam rooms or floors frequently. A sub-drive lets the technologist adjust technique on the fly, and the generator power supports higher patient throughput than entry-level systems can manage.

- ▶ **Generator:** 12 to 30 kW
- ▶ **Daily workflow:** 15 to 25 patients per day

**Representative Models:**

- ▶ GE Optima XR200
- ▶ Siemens Mobilett Mira
- ▶ Carestream DRX Revolution

## PREMIUM TIER

**PREMIUM**  
**\$80K – \$95K**

Premium Portable X-Ray systems are built for hospital-grade environments and high-volume workflows. The defining features are an integrated wireless digital detector for superior image quality, a built-in computer that connects directly to the unit's high-output generator, and advanced wireless connectivity for seamless PACS integration. These platforms are designed to handle the demands of inpatient floors, ICUs, and emergency departments where speed, image quality, and reliable data flow all matter equally.

- ▶ **Generator:** 15 to 40 kW
- ▶ **Daily workflow:** 30+ patients per day

**Representative Models:**

- ▶ GE Optima XR240amx
- ▶ Siemens Mobilett Elara Max
- ▶ Carestream DRX Revolution

## 2. Why Buy Refurbished Portable X-Ray

A refurbished Portable X-Ray system typically runs 40 to 60 percent below comparable new pricing — but the financial case is only one part of the story. Several other factors make refurbished a strong choice for most facilities.

### Significant Capital Savings

New Portable X-Ray pricing has climbed steadily over the last several years. Refurbished units deliver the same clinical capability for substantially less, freeing capital you can deploy elsewhere — whether that is another modality, software upgrades, staffing, or facility improvements.

## Same Clinical Performance

A properly refurbished Portable X-Ray unit performs at OEM specification. Every system Amber sells passes through full electrical and mechanical inspection, component-level testing, calibration to manufacturer specs, and image-quality validation before it leaves our 25,000 square foot, FDA-registered facility in Orlando. The difference between a refurbished system and a new system in everyday clinical use is essentially invisible.

## Faster Lead Times

New equipment can sit in a manufacturer's queue for months. Refurbished inventory is typically available immediately and can be installed within 2 to 4 weeks of contract signing. For facilities working against a service line launch date, a renovation deadline, or year-end budget timing, that speed difference matters.

## Warranty and Support Included

Every refurbished Portable X-Ray system from Amber includes a 12-month parts-and-labor warranty as standard. Post-warranty service is available through our team at rates well below OEM pricing, or you can use your existing third-party service vendor — no lock-in.

## 3. Costs Beyond the Portable X-Ray Itself

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The system price is just the starting point. To get a Portable X-Ray program fully operational, several additional purchases and services need to be factored into your total budget.

### Wireless Digital Detector (When Not Integrated)

Entry-level systems generally do not include an integrated digital detector. If your facility needs DR imaging on those units, a wireless detector is a separate purchase — refurbished wireless DR detectors typically run between \$20,000 and \$40,000 depending on size, manufacturer, and connectivity features.

### PACS Connectivity & Workflow Integration

Connecting a Portable X-Ray system to your PACS and modality worklist is straightforward on premium and most intermediate units, but it does require setup time and coordination with your IT team. Plan on a small line item for the wireless network configuration and any DICOM modality worklist licensing your facility does not already own.

## Operator Safety Accessories

Lead aprons, thyroid shields, protective eyewear, and dosimetry badges are essential for any staff working around the unit. Budget approximately:

Item / Service	Typical Cost Range
Lead aprons (per unit)	\$120 – \$200
Thyroid shields	\$45 – \$90
Radiation safety eyewear	\$55 – \$250
Dosimetry badge service (annual)	\$100 – \$300 per badge

## Applications & Operator Training

Technologist training is essential, especially when transitioning from an older analog unit to a newer DR-based platform or from a manual-drive system to a motorized one. A full applications training program covers system controls, patient positioning, exposure technique, and image-quality review.

Training typically runs \$1,000 to \$3,000 per day, with most Portable X-Ray installs needing one to two days of on-site training depending on staff familiarity with the technology.

## Medical Physicist Inspection

State and federal radiation safety regulations require a qualified medical physicist to inspect any new radiation-producing system before patient use. Physicists are independent contractors, so pricing varies by region. Building this into your project plan early avoids delays at activation.

## Ongoing Service & Maintenance

A Portable X-Ray system needs periodic preventive maintenance to stay in spec, and unexpected service calls happen from time to time. Annual service contracts on Portable X-Ray typically run \$5,000 to \$12,000 per year depending on the model, age, and coverage level.

For facilities watching every dollar, time-and-materials service is also an option — you pay only when something needs attention. The trade-off is less predictability on annual maintenance costs.

### SERVICE PLANS AREN'T ONE-SIZE-FITS-ALL

We can help you compare full-coverage OEM contracts against independent service organization (ISO) options. Independent providers often deliver comparable uptime guarantees at a 25 to 40 percent lower annual cost — particularly valuable on refurbished or older Portable X-Ray units.

## 4. Matching the Tier to Your Workflow

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The most common mistake we see facilities make is buying a tier that does not fit their actual workload — either over-investing in a premium unit they will not push hard, or under-investing in an entry-level system that struggles with patient volume. A few quick guideposts.

### Choose Entry-Level If...

- Your daily patient volume sits around 7 to 10 studies
- You are running an urgent care, solo practice, or home-health operation
- You already have a wireless DR detector or do not need integrated DR
- Portability and a smaller generator footprint matter more than throughput

### Choose Intermediate If...

- Your daily patient volume is 15 to 25 studies
- Your team moves the unit between multiple exam rooms or floors regularly
- You need motorized drive and a sub-drive for technique adjustments
- You serve an imaging center, smaller orthopedic group, or mid-volume clinic

### Choose Premium If...

- You handle 30 or more studies per day
- You need integrated wireless DR and built-in PACS connectivity
- Your environment is inpatient hospital, ICU, ED, or trauma
- Workflow speed and uptime are mission-critical

## 5. Final Thoughts

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A Portable X-Ray purchase involves more variables than most facilities expect — generator power, detector configuration, motorized drive, PACS integration, and patient throughput all factor into which tier fits your operation. The system itself is the headline number, but detectors, accessories, training, physicist inspections, and ongoing service all stack on top of the base price.

The good news is that refurbished Portable X-Ray is one of the more transparent segments of the medical imaging market. Pricing is well-understood, lead times are short, and the savings versus new can fund a meaningful portion of the rest of your project. The right approach is to match your tier — entry, intermediate, or premium — to the patient population and clinical caseload you actually serve.

### READY TO TALK PRICING?

Amber Diagnostics has been buying, selling, and servicing refurbished Portable X-Ray systems for over 30 years. Our team can pull current inventory, build a custom quote, and walk you through the total cost of ownership for any configuration you are considering. Contact us today at [AmberUSA.com](http://AmberUSA.com) or call our Orlando headquarters to start the conversation.

**Quick Reference: Portable X-Ray Cost Summary**

<b>Item / Service</b>	<b>Typical Cost Range</b>
Entry-Level System (basic, no integrated DR)	<b>\$40,000 – \$45,000</b>
Intermediate System (motorized, mid-power)	<b>\$45,000 – \$65,000</b>
Premium System (integrated DR, hospital-grade)	<b>\$80,000 – \$95,000</b>
Wireless DR Detector (refurbished, when not integrated)	<b>\$20,000 – \$40,000</b>
Operator Safety Kit (apron, shield, eyewear)	<b>\$220 – \$540</b>
Applications Training (per day)	<b>\$1,000 – \$3,000</b>
Annual Service Contract	<b>\$5,000 – \$12,000</b>

*All figures are approximate market ranges as of 2026 and may vary based on manufacturer, configuration, model year, and regional factors.*