Version 1.0 Year 2025

Mobile, Accurate, Versatile

CCX52A is widely used in radiology department, ward, ICU, and operating room.

Core Strengths

- User-friendly graphic touchscreen delivers great convenience.
- Ultrasonic distance measurement, precise positioning.
- Small and ingenious rack.
- Sharp clinical images.
- Large power supply capacity and low dose.
- Electric and automatic hand-moving wherever you want.

High-definition image, Easy for clinical applications

The high-performance portable FPD delivers exceptional acquisition and conversion capabilities, producing sharp clinical images. This versatile system supports comprehensive digital radiography examinations across all anatomical regions, including ches extremity, and spinal imaging.

Chest

Lateral elbow joint

Lumbar spine

Lateral lumbar spine

Ankle joint

Enhanced image clarity delivers diagnosis precision

High power, high frequency and high voltage generator

The machinie features a 50kW high-frequency generator, delivering stable output. Combined with its high-performance X-ray tube, it ensures consistent, high-quality X-ray imaging, meeting diverse positioning requirements while guaranteeing clear, diagnostic clinical images.

Excellent wireless detector

Equipped with a 17×17-inch wireless detector, the system provides outstanding image clarity and sharp detail reproduction. The large field of view enables flexible positioning, and its 16-bit grayscale captures subtle tissue variations, ensuring superior diagnostic precision.
An optional 10x12-inch FPD is available, which is more compact and lightweight, making it ideal for use in infant incubators and NICUs.

Dose optimization, Superior image quality

Intelligent dose control technology

Intelligent dose control technology can automatically adapt radiation parameters based on anatomical region and patient morphology, optimizing dose efficiency while maintaining diagnostic image quality, thereby significantly reducing unnecessary radiation exposure for both patients and medical staff.

Dual exposure mode

offers dual exposure control modes for enhanced safety and convenience:
Handswitch mode and wireless remote mode for shielded control room use.
By enabling operators to maintain a safe distance during exposures, the system effectively minimizes radiation exposure to medical staff while ensuring seamless clinical workflow.

Advanced image processing

incorporates advanced post-processing algorithms that simultaneously enhance image quality, maintaining diagnostic confidence at lower exposure levels.

High power supply meets all clinical demands

Dual battery work separately

features a specialized supercapacitor system that powers exposures with rapid charging capability.
This power solution reduces reliance on external power sources.
It expands mobile DR applications across clinical environments and delivers reliable performance in wards, emergency rooms, and ICUs.
The system utilizes two independent power groups - one for mobility and one for exposure. With a single cable connection, simultaneous charging of both the supercapacitor and lithium battery pack ensures the unit is always prepared when needed.

Large heat capacity

uses X-ray tube with large heat capacity.
It has superior heat dissipation and extended continuous operation time.

Flat panel detector with pluggable battery

The flat panel detector features a pluggable battery design with an included backup battery. This power solution enables uninterrupted operation - when the primary battery is depleted, simply swap in the backup to continue imaging. The high-performance batteries offer rapid charging capability, extended cycle life and reliable power for continuous clinical workflow

Compact, flexible Easy positioning

Motor frame and labor saving

is equipped with a motor frame, which can realize the wide-range rotation of the column and the horizontal free expansion and contraction of the arm. It can complete shootingin a small space and meet the needs of various clinical positioning.

Ultrasonic distance measurement, precise positioning

is equipped with an ultrasonic distance measuring beam limiter, which can display the SID photography distance digitally, assist in rapid positioning, and achieve precise positioning without frequently moving the patient.

Humanized design
Intelligent control mode

Integrated workstation

- The integrated workstation integrates the image acquisition system and the X-ray generator control system, which is convenient and quick to operate.
- The image acquisition system has multiple functions such as patient management, image acquisition, image processing, image observation, and case reports.
- The workstation supports the DICOM3.0 standard protocol and can transfer images with PACS system.

Interactive design, friendly and convenient

- The excellent human-computer interaction design is more in line with the human body structure, which can effectively relieve the discomfort of muscle soreness and physical fatigue caused by long-term operation, and help medical staff improve work efficiency.
- Built-in preset parameters for standardized postures, graphical display of a variety of commonly used clinical postures, support for re-editing and memorizing posture parameters, therefore doctors can adjust and optimize exposure parameters personally.

Graphical operation interface

- Large-size touch screen, equipped with professional image processing software with humanized graphical interactive interface which can shorten the running-in period between medical staff and the machine effectively.
- Understandable icons, simple and easy to understand, save training time and cost for medical treatment.

High productivity,
Better operation experience

Easy and positioning

can be used flexibly in hospital corridors, wards, ICU, outpatient and emergency departments. The agility of PLX M5320 improves its efficiency as a mobile DR to satisfy more clinical needs.

Anti-collision design

The front of the machine is equipped with an automatic collision protection device, which protects people and machines well.

Dual motor drive

The dual motors combined with excellent mechanical design can be easily carried out by operators with one hand.
The motor runs smoothly and quietly, with low noise during traveling, and will not disturb patients even when moving in a quiet ward at night.

Strong adaptability

There is no need to change the facilities or install the ground rails and hangers, as long as the protection is well done, PLX M5320 can be used everywhere.

Mobile Radiography

Diagnostic X-ray System