

PLD7900

Digital Motion Floor Mounted X-ray System



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PERLOVE
MEDICAL

Company Introduction

Lead with Science and Technology Build Dreams with Ingenuity

Ever since the company was founded in 2003, Perlove Medical is a high-tech enterprise integrating the research, production, sales and service of medical imaging equipment. While the focus of these activities has varied, one thing has never changed: Perlove is customer demand-oriented and has always demonstrated a strong commitment to society with the right and qualified product and service. As a high-tech company, Perlove firmly engage in self-research and technology innovation to make products close to clinical demand and continuously enhance the progress of medical technology. All come to help the improvement of global medical condition and reduce the medical cost. Located in Nanjing, China, Perlove's products are serving clients in over 100 countries and districts across the globe.

Industry Leader, Trusted by Customers



Work hard for
nearly 20 years



General radiology equipment
one-stop supplier



Mobile products have led the
domestic market share for more
than 10 consecutive years



Nearly 40,000 square
meters of production
and office area



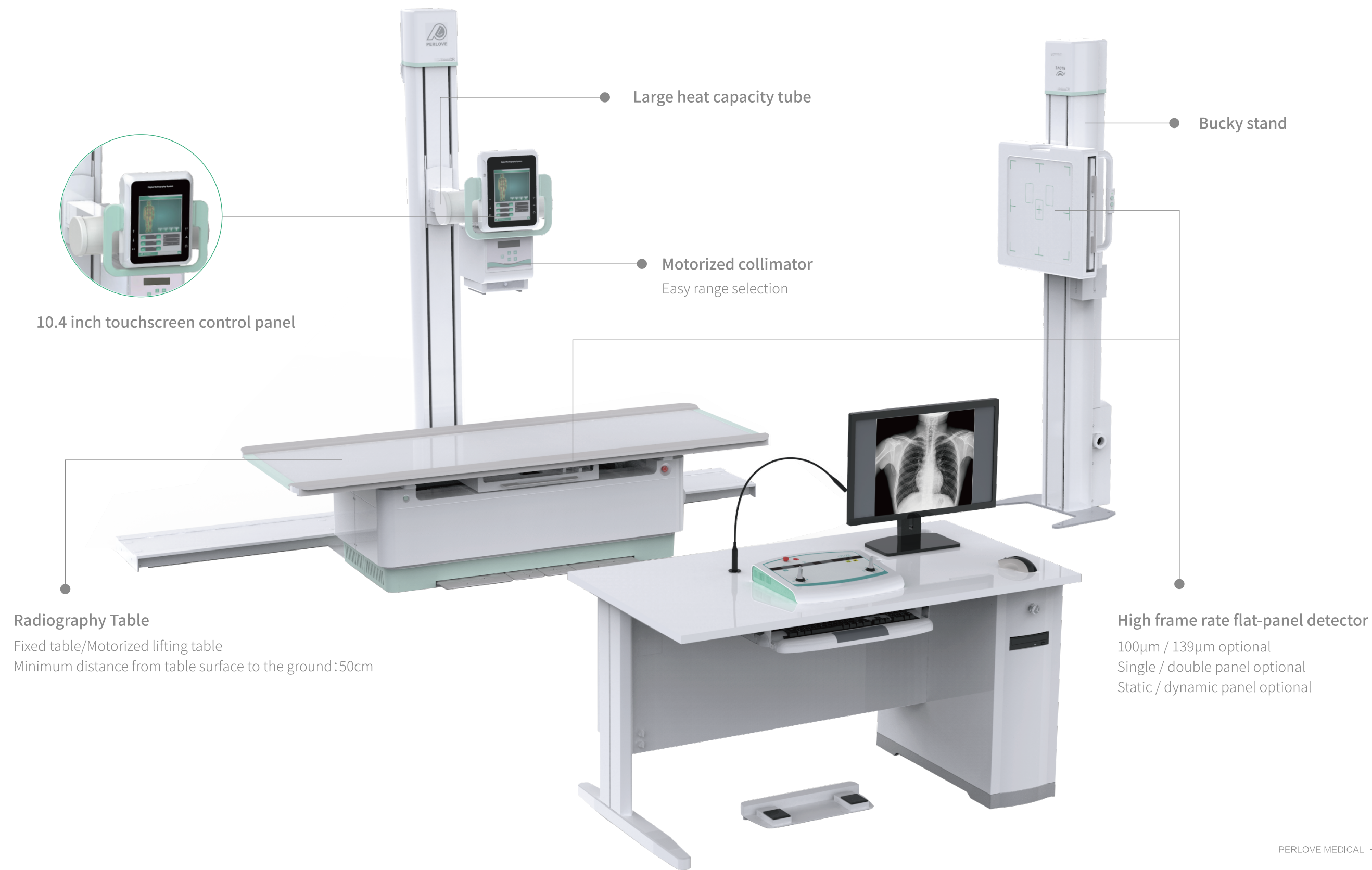
Medical X-ray National
Standard Designated Unit



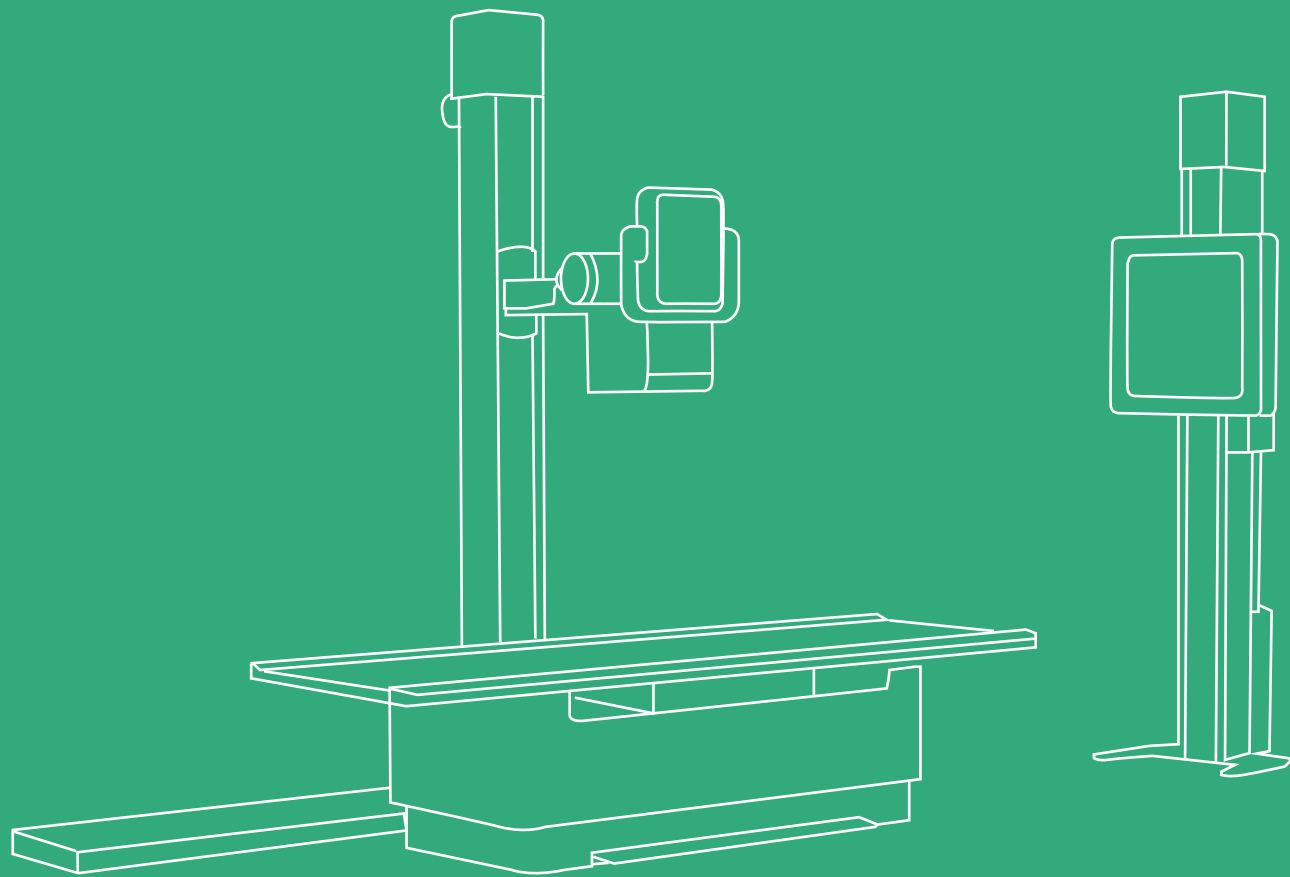
Sold to more than 100
countries and regions
around the world

Multiple configuration

Customized examination



TECH CONTRIBUTES HEALTH



Why choose Digital Motion X-ray?

What is digital motion X-ray FPD?

Multifunctional

- Capable of digital radiography, digital fluoroscopy and digital angiography.

Dynamic

- A technique for analyzing dynamic changes based on the transmittance of X-rays.
- Enables clinicians to observe the dynamic motion of anatomical structures over time, enhancing diagnostic capabilities.

Advantages compared with static X-ray

- Digital motion X-ray use leading edge technology in making detailed and real time images than static images.
- Evaluate the patients' condition or recovery effectively by observing the dynamic changes of organ function.



One for all

Clinical Applications



Radiography Center



Health Examination Center



Orthopedics and Trauma



Pulmonary



GI imaging



Gynecology

Outstanding radiography & fluoroscopy performance



Digital radiography

General radiography, high kV radiography, oblique position radiography.



Digital fluoroscopy

Chest and abdominal fluoroscopy, foreign body localization and removal.



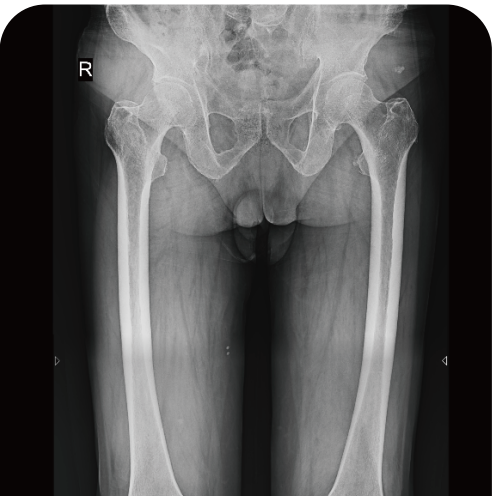
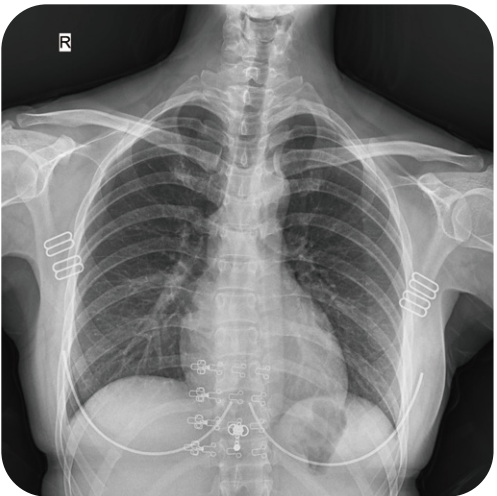
Digital angiography

Esophagogram, intravenous pyelography, T-tube cholangiogram, salpingography.



Digital spot imaging (DSI)

Spot imaging in milliseconds, high definition image acquisition to accurately target the lesions.

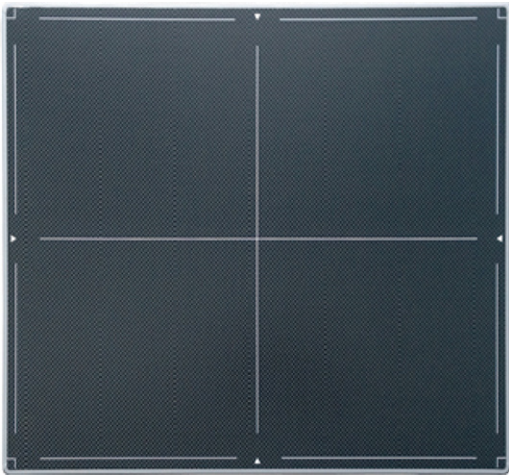


Flexible and efficiency

Versatile table movement

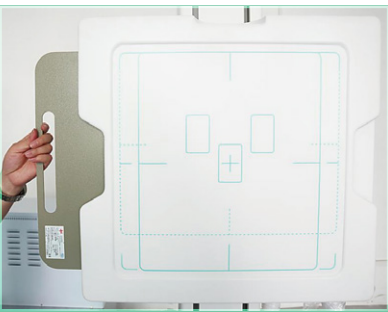
100µm high frame rate dynamic flat panel detector

- 100µm, more details and more accuracy
- 18 million pixel radiography
- 30 fps dynamic image acquisition
- 17" x 17" large FOV, avoid multiple exposures to reduce radiation



Anti-scatter grid

- Equipped with removable grid
- 1m and 1.8m standard SID



Bucky stand with grid of standard SID 1.8m



Table with grid of standard SID 1m

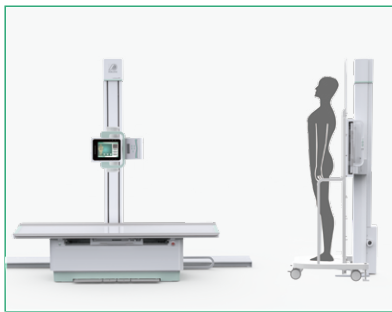
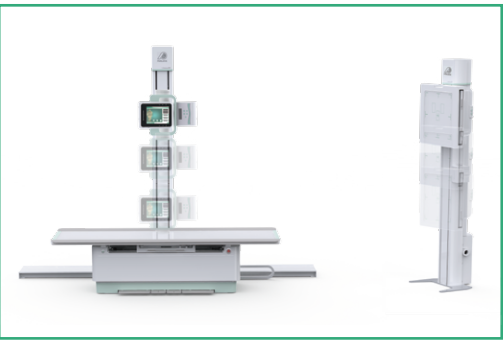


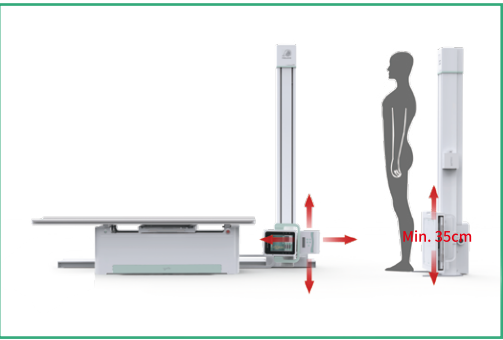
Image stitching stand (optional)

Versatile table movement



Automatic tracking function

The tube can be automatically back to center-position conveniently and quickly when the chest radiograph frame is placed.



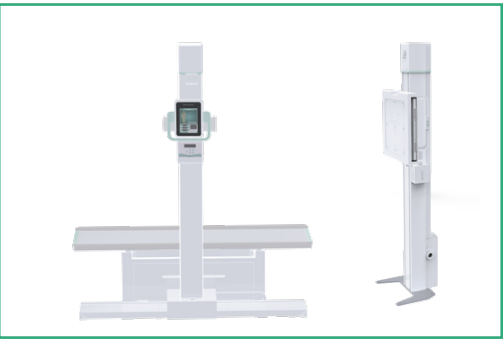
Low profile radiography

35cm minimal distance between X-ray tube and the floor, allowing low profile radiography covered by wide range tube movement.



Diverse radiography position

Large angle rotatable X-ray tube enables a variety of radiography position, e.g. cervical AP view, odontoid view, submentovertical projection.



Wheelchair and stretcher radiography

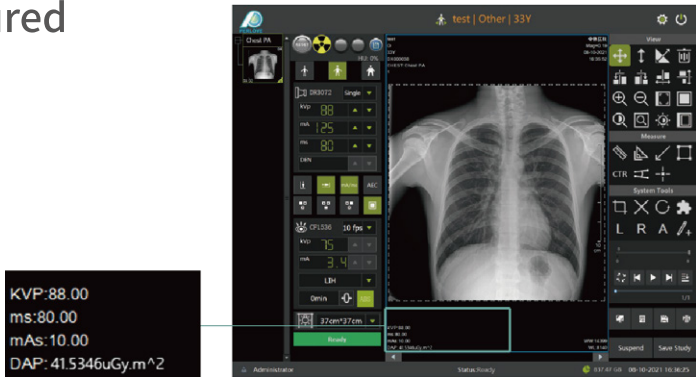
The tube and column can rotate 180 °, providing convenience for stretcher and wheelchair patients to avoiding secondary injury.

Safety control

Accurate and efficient

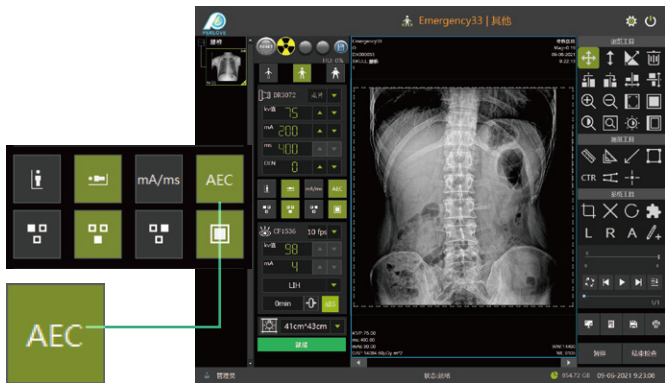
DAP - Dose visualized, safety assured

- The pioneer usher in intelligent radiation dose monitoring system.
- Synchronous dose monitoring system, guaranteeing more accurate diagnosis.



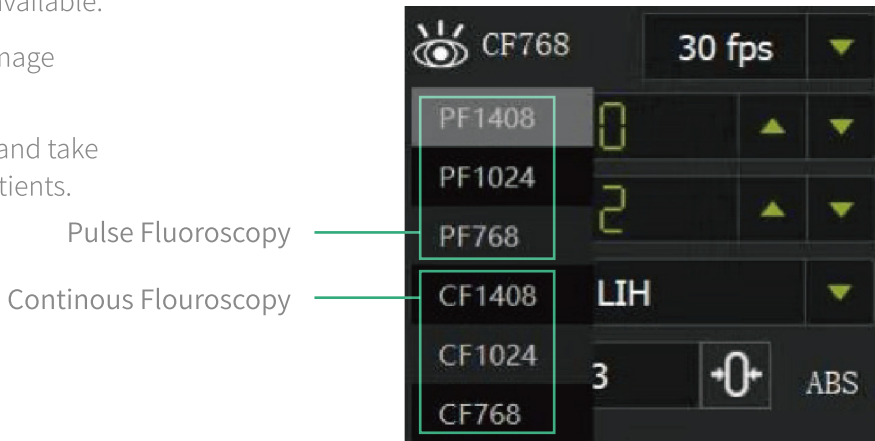
Ionizaiton chamber AEC system

- Automatically control mAs in a more efficient way.
- Automatically adjust the brightness through different body part.
- Simplify operation and improve overall efficiency.



Pulse Fluoroscopy, get clear images at low doses

- A variety of perspective modes are available.
- Extremely fast exposure, reducing image noise and improving sharpness.
- Significantly reduce radiation dose and take care of the health of doctors and patients.



Feature enhancements

Ultimate experience

Cardiothoracic ratio measurement

- Cardiothoracic ratio is a common indicator for evaluating cardiac enlargement, and is mostly used for diagnosis of exclusion or follow-up evaluation of patients. (For example, if the cardiothoracic ratio is found to be enlarged during the examination, further examination can be carried out in combination with the medical history and symptoms to confirm the diagnosis)



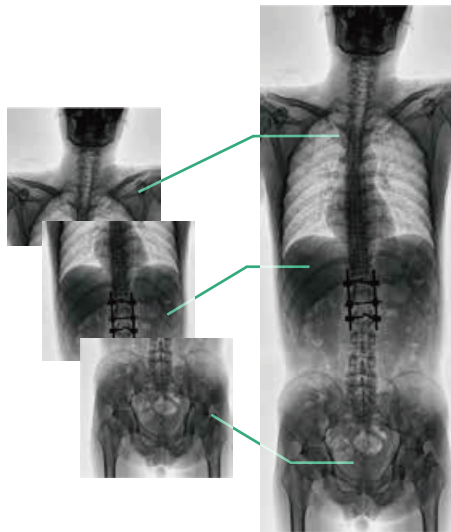
Spine measurement

- Spinal measurement can visually display the overall anatomical shape and scoliosis position of the spine, judge the balance and flexibility of the spine, and have certain value in the diagnosis, preoperative evaluation, and postoperative judgment of scoliosis.



Automatic stitching function - accurate and precise(Optional)

- Panoramic images of full spine, full lower limbs.
- Accurate measurements of preoperative planning and postoperative surgery.
- One-step radiography, providing more reliable diagnostic basis for clinical practice.



Cloud Image Interconnection

Pre-view Various Examination Modes

- The system brings convenience to staff by multiple intelligence control modes, simple and fast control interface and efficient image collection will accelerate the speed and improve accuracy of clinical radiography.
- Meet the different requirements of outpatient, emergency, physical examination on different cases.

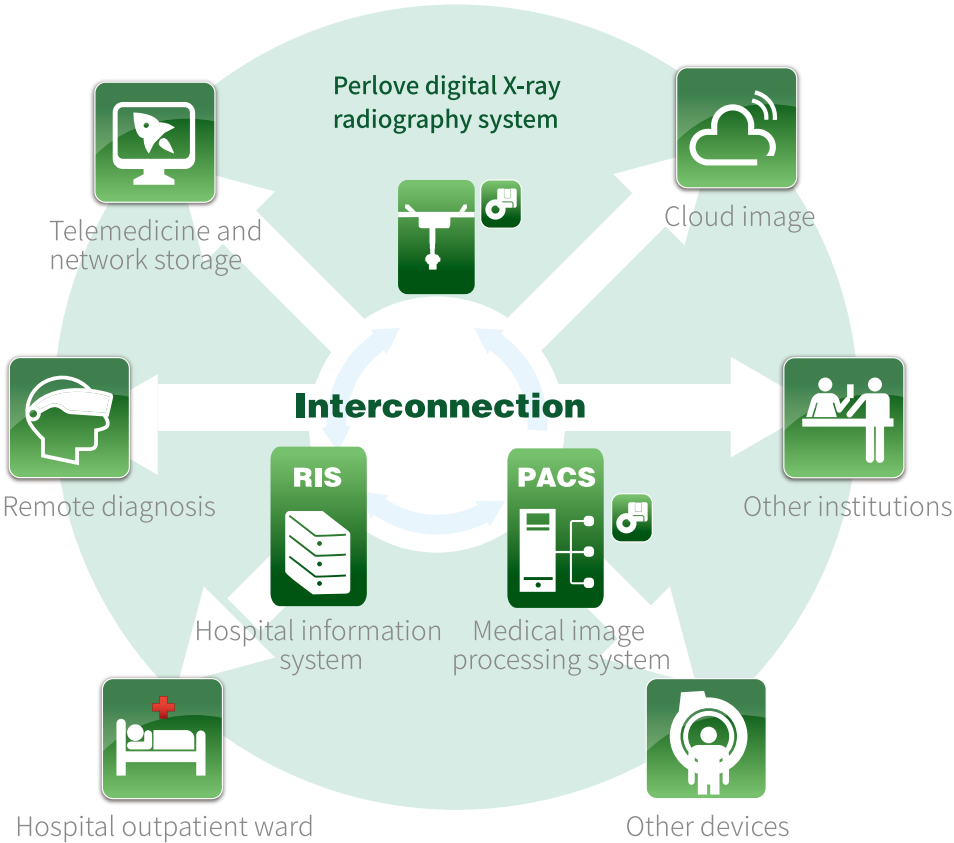


Fast Image Acquisition

- High standard software system, faster image acquisition, improved workflow continuity and overall inspection quality. 3-5 seconds speed conversion, 1-2 seconds faster than similar DR, offering faster examine experience for clinic.
- Fast automatic image processing.
- Automatic image output.



Certifications- CE, ISO Approved



- The system can be maintained remotely, it can perform fault self-diagnosis and display error codes, quickly and accurately determine the fault status and has self-protection functions.
- It can share information with PACS system, bring benefits for remote diagnosis.