



# EROS 700

Dynamic digital radiography  
ceiling suspended



## MULTIPLE APPLICATIONS CONTRIBUTE FOR ACCURATE DIAGNOSIS



### Digital radiography

Applicable for all body parts radiography



### Digital fluoroscopy

It is suitable for fluoroscopy of various parts of the body.



### Digital angiography

Partial angiography, such as esophagography, pyelography, salpingography.



### Visualisation radiography

Obtain high-definition images and accurately capture lesions.



Recumbent



Standing



Wheelchair



Stretcher



Free position

# HIGH PERFORMANCE AND INTELLIGENT

139/100 micron dynamic flat panel detector

Pixel pitch:

**139  $\mu\text{m}$**

**100  $\mu\text{m}$**

Spatial resolution:

**3.7 lp/mm**

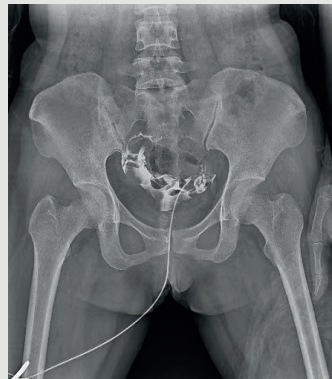
**5.0 lp/mm**

Pixel matrix:

**18 million**

Capture frame rate:

**30fps**



Extraordinary  
image quality



Dual plate dual  
mode acquisition



10.4" Large touch  
screen control system



Auto  
collimator



Static radiography  
up to 18 million pixels



Multi-functional  
suspension gantry  
design



Standardized  
dual grid



High power high  
voltage generator

## RICH OPTIONS FOR CLINICAL APPLICATION

### Professional radiographic bucky table options

Two available options of bucky table: mobile type and lifting type, maximizing the focus on patient care.

Mobile Table



Lifting Table





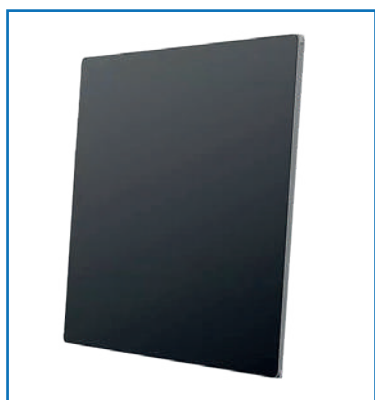
## High inverter frequency generator

- Self-developed high voltage generator provides high quality and stable X-ray.
- Unique mobile design maximizes the special layout.



## High performance X-ray tube

- X-ray tube with high heat capacity and high speed anode rotation.
- Extending the workflow with stable image quality in a variety of clinical application.



## High resolution flat panel detector

- High special resolution imaging detector brings crystal clear image with delicate details.
- Standard high-resolution dynamic flat-panel detector.

## MULTIFUNCTIONAL SUSPENSION FRAME DESIGN



### » Intelligent lifting table

Intelligent lifting table/descending function supply convenience for doctors and patients with poor mobility.

### » Two-way automatic tracking

Synchronized vertical travel of the X-ray tube and bucky unit, providing fast positioning for examination.

### » Low position radiography

The tube and chest radiography frame can move longitudinally in a wide range, and the center of the flat panel detector is at least 35 cm. away from the ground, which easily meets the requirements of low radiography such as knee joint and ankle joint.

### » Special angle radiography

The tube can be rotated in a full range of angles to meet the needs of all parts of the body, with a special tilted projection position. The tube's head can be rotated to meet the needs of special patients.

### » Manual and electric control with automatic switchover

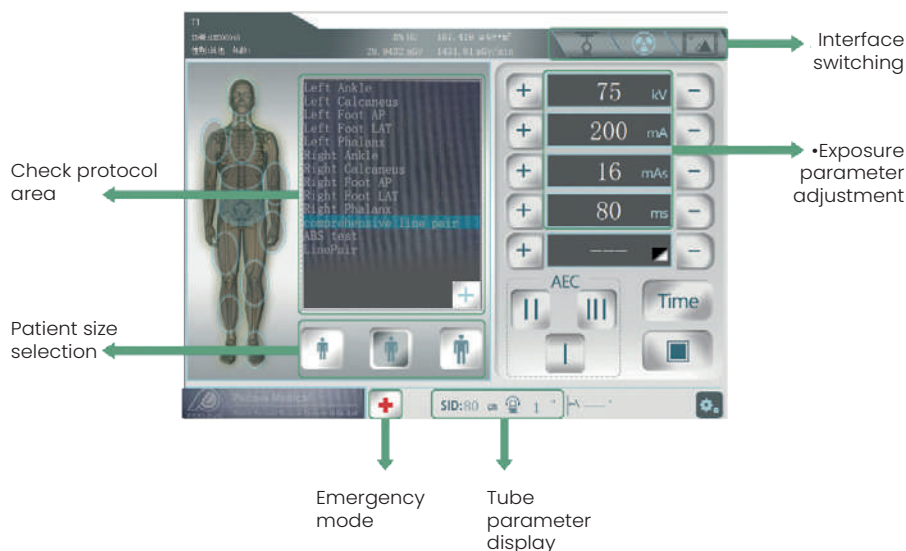
The suspension is equipped with both manual and electric modes, meet the different operation habit for the medical staff.



## 10.4 INCH TOUCH SCREEN CONTROL SYSTEM

### Exposure preset

Equipped with intelligent touch control and operation system, it can quickly display movement information and complete exposure parameter adjustment by the bedside, improving work efficiency.



### Intelligent guided positioning

The setup image can be automatically generated by selecting the shooting site to guide the patient to quickly and accurately complete the setup.



### Data synchronization

- Emergency cases can be created with one click.
- Exposure parameters synchronization between touch screen interface and workstation, speeding up the workflow in daily routine.

## Self-adaptive screen

Auto rotation between table and bucky stand, offering easy and convenient operation.



## Auto motorized beam limiter

- Quickly select and preset the required field of view and save the setup time.
- One-touch switching the beam range is efficient and convenient.
- The radiation field can be automatically adjusted, safe and efficient without radiation.



## INTELLIGENT CONTROL SYSTEM IMPROVE WORK EFFICIENCY



### Auto focusing

The focal point of the X-ray tube automatically zooms in on the detector, no requiring manual operation.



### Auto exposure control (optional)

Automatically controlling the amount of total radiation to ensure a better image quality.



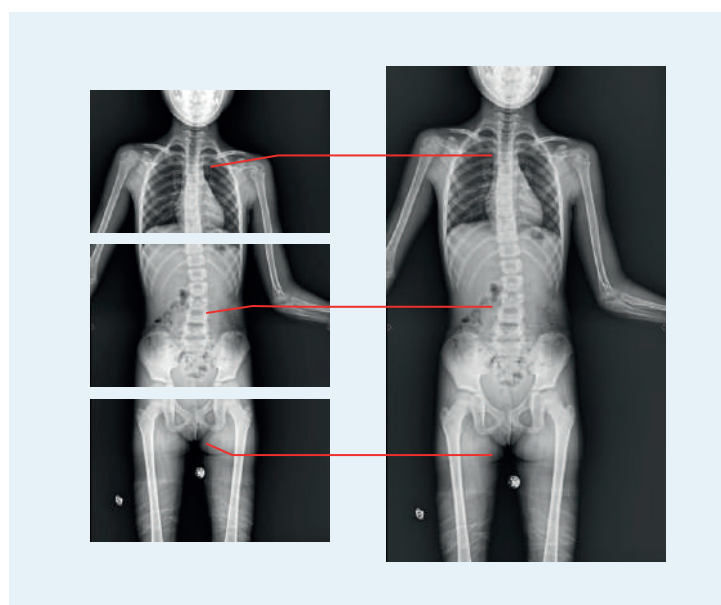
### Auto image stitching (Optional)

Easy full spine and full lower extremities radiography, improving diagnostic efficiency.



### In-tray charging

Built-in charging port in both bucky stand and bucky table can always speed up workflow with fast charging.

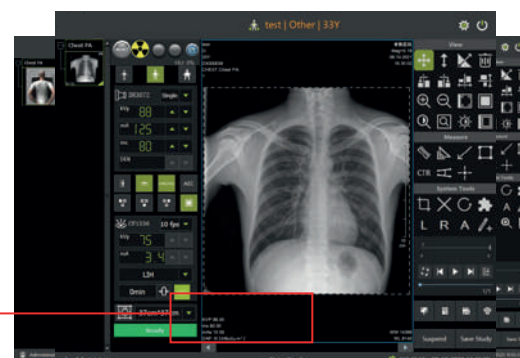


## PRECISION AND EFFICIENCY

### DAP monitoring (Optional)

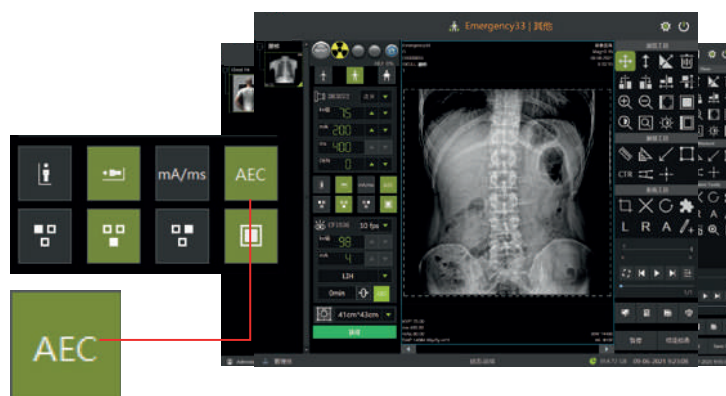
- The pioneer usher in intelligent radiation dose monitoring system.
- Intelligent dose monitor system can record the dose of single examination and manage the radiation dose absorption of patients scientifically and effectively.
- Intelligent dose monitor system, friendly to user's health.

KVP:88.00  
ms:80.00  
mAs:10.00  
DAP: 41.5346uGy.m<sup>2</sup>



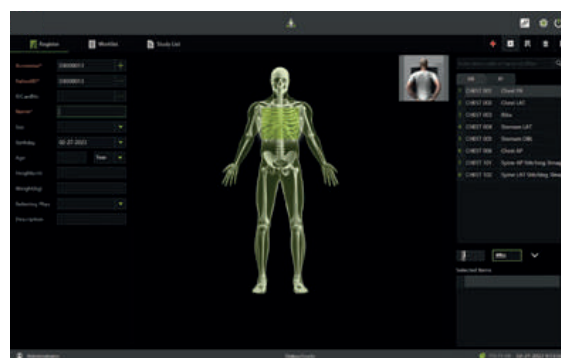
### AEC function (Optional)

- Intelligent control exposure time, more efficient.
- Intelligent control of light sensitivity according to different parts.
- Reduces operational difficulties and shortens the workflow.
- Ionization chamber is an indispensable hardware support for radiography automation.



### Intelligent acquisition workstation

- The workstation integrates the functions of image transmission, image processing, image measurement, report storage and printing. It greatly optimizes the workflow and effectively assists in disease diagnosis.
- Optional diagnostic workstation supports various measurement tools such as CT value and positioning line measurement to provide more professional diagnosis.



## PRECISION AND EFFICIENCY

### Cardiothoracic ratio measurement

Cardiothoracic ratio is a common index used to evaluate cardiac enlargement, and is mostly used for exclusion diagnosis or follow-up evaluation of patients' conditions .



### Spine measurement

Spine measurement can directly display the overall anatomical shape of the spine and the location of scoliosis, determine the balance and flexibility of the spine.



### Multiple body size selection

Applicable to the examination of various parts of the body of different body sizes and ages.

