

## High Frequency Digital Mobile X-ray Machine



Mobile X-ray machine + Flat panel detector + Workstation (Portable computer/Perlove software)

**PRESENTATION OF PRODUCT**

## ***PRODUCT DESCRIPTION***

### ***Product Usage***

it is a high frequency mobile flat-panel digital X-ray radiography system, suitable for radiology department, orthopedics, ward, emergency room, operating room, ICU and other departments. With flexible movement, easy operation, high efficiency, to meet the radiography for all of human body's parts, such as head, limbs, chest, spine, lumbar vertebrae, abdomen, etc.



***It can be worked together with Mobile Radiography Table, and Upright Bucky Stand. to meet various requirements of positioning.***

#### ★ Upright bucky stand ***(Optional)***

Ascending and Descending Range: 560-1625mm

Film Size: 5"×7" - 17"×17"

With Imported Korean JPI Grid

Grid Size: 5"×7" - 18"×18"

Grid Ratio: 10:1

Grid Density: 103L/inch

Focal Distance: 150cm



★ Mobile radiography table (*Optional*)

2000mm(L)\*700mm(W)

Height: 500mm

Cassette moving : 1150mm

Wheel can be rotated in 360°

Each wheels brakes to fixed easily



### ***Product Specification***

1. Generator output: 5.0 kW
2. kV range: 40 kV - 120 kV in 1kv steps
3. mA range: 25~100 mA
4. Exposure time: 4 films per min, less than 20 ms per film
5. X-ray tube: Stationary anode tube with a focal spot of 1.5\*1.5 mm
6. Collimator: Bright field light beam collimator with 120 W halogen lamp and auto shut-off facility.
7. Power requirements: Single phase 220V+/-10%,Voltage tolerance; 50Hz power supply,It can also able to be built in 110V voltage transformer to meet different power condition,
8. Mobile stand: Light-weight, low height mobile and easily maneuverable stand.
9. The mobile radiographic unit also include a handhold control and a microwave wireless remote control for the 20-meter microwave remote Without the restriction of Barriers and directional, different from the infrared remote control . Grids reduce the fog line filters and raise the degree of scattering contrast.
10. The unit is provided with a line (power) cord of acceptable durability, quality, length and is secured with adequate strain reliefs .The unit include, power plugs that are sufficient for the maximum voltage and current of the unit.
11. The maximum distance from the ground:  $\geq 2000\text{mm}$ , and minimum distance from the ground:  $\leq 500\text{mm}$ . Rotating around the horizontal axis  $180^\circ$ , rotation around the vertical:  $\pm 90^\circ$ , the collimator can rotate  $180^\circ$ , column can rotate  $\pm 90^\circ$ .
12. Colorful Touch Screen with human Graphic design,Easy to set KV.mA. S. and Positioning.
13. Humanized handle design, easy to move.
14. Big Cassette(Detector) Holder.

## ***Product Advantages***

### ***1. Monoblock***

- ★ High frequency and High voltage monoblock, 27 years experiences, make sure the stability quality.
- ★ 50kHz inverter frequency, good x-ray quality, low dose, world top-level technology.



- ★ Thermal capacity 500KJ, long time continuous exposing.
- ★ With digital closed loop control technology and fault alarm function.
- ★ Reduce more cables, simplify and optimize the inner structure, make sure to be able to be compatible with 110V voltage transformer.



### ***2. Built-in Battery***

- ★ Powerfully battery inside, once fully charged, it can take about 200 images.
- ★ Machine can use either AC or DC.

### ***3. Exposure Controller***

- ★ Hand controller -- wired exposure
- ★ Microwave controller -- wireless remote, within 10 meters



### ***4. Flat Panel Detector***

- ★ Whole-plate non-spliced, cesium iodide + amorphous silicon flat-panel detectors derive from the world's leading technology, which greatly improves performance.
- ★ Version Scope: 17" x 17"
- ★ Spatial resolution: 3.3Lp/mm
- ★ Pixel size: 150 $\mu$ m
- ★ Output gray scale: 14bit

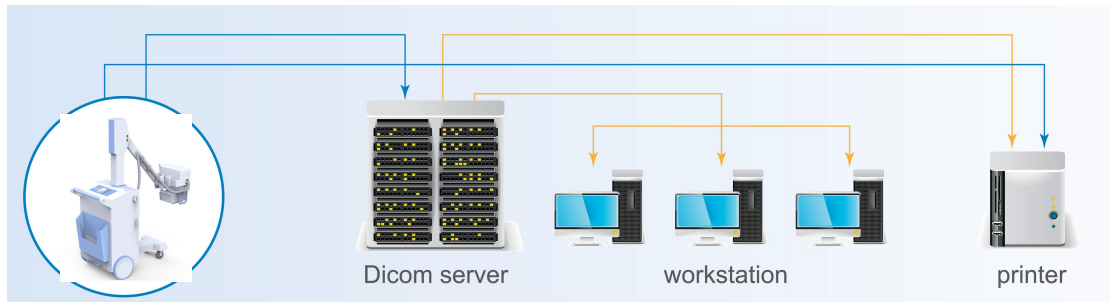
### ***5. Self Balance Function***

- ★ The support arm can stop at any position, that's our self balance technology, easy operation.



## 6. Networked device: high quality image and output information system

- ★ The networking functions include: Dicom storage, Dicom film printing, Dicom film transferring.
- ★ It has standard DICOM 3.0 interface, supporting film printing, output, storage, barrier-free docking hospital PACS system.



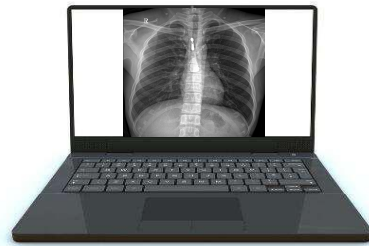
## 7. Workstation:

Workstation model: IC12A

CPU model:  $\geq i3$

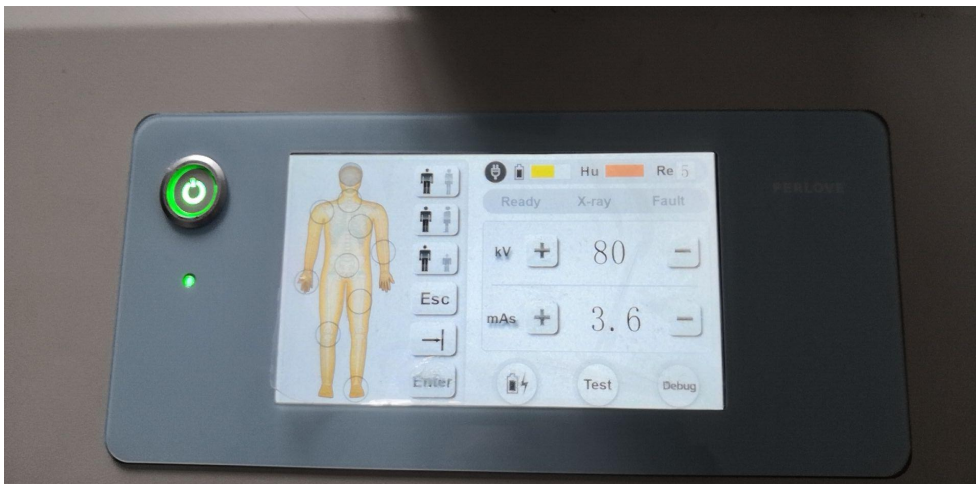
Memory capacity:  $\geq 4GB$

Hard drive capacity:  $\geq 64GB$



## 8. Control Panel:

Colorful Touch Screen with human Graphic design, Easy to set KV.mAs. and Positioning.



## 9. Humanized design of Handle.

easy to move, no need keep bending.



## 10. High Quality Clinical Images

