

# ***ELK-1200RAD E***

## ***DIGITAL RADIOGRAPHY SYSTEM***



# ELK-I200-RAD E

## Digital Radiography System

Digital solutions can be affordable and still meet the high quality standards you need. With our ELK-I200-RAD E, we offer a complete, scalable DR solution that can grow and develop with your facility. A solution that allows you to choose your own digital path at your own pace and that answers the need to deliver higher throughput with a lower cost per examination, all while providing excellent image quality.

### Digital Radiography made affordable

Created to meet the needs of community hospitals and private radiology practices, the ELK-I200-RAD E enables price-sensitive customers to join the drive to go digital. Its versatile floor mounted radiography system enables you to go from film to CR to DR.

### Supports additional software function

The software of ELK-I200-RAD E is researched and development by Our Partners themselves. For more application on radiography, we added Imaging Stitching function. It is useful for the shooting for chest, spine and leg. It is our optical function for user.

### Floor-mounted easy for installation and operation

The ELK-I200-RAD E is floor mounted system comprises a radiographic table with integral floor guide rail and a wallstand. Requiring little room preparation, it is easy to install.

### Compact appearance and structure

Our Machine according to the international advanced processing mode and standardized design. The parts are made with high precision CNC machining and moulding. Which adopt high degree of standardized, reasonable and compact structure. With reliable, durable and elegant appearance and advanced processing technology.



# Parts Description

## X-Ray High Voltage Generator

Automatic Exposure Controls (AEC) deliver faster switching and highly accurate exposures.



|                        |   |
|------------------------|---|
| Output power           | 50kW  |
| Input power            | 75kVA   |
| Power source condition | Triphase AC 380V ±10%, 50Hz   |
| Operating mode         | Interval loading, continuous operating                                |
| Tube voltage           | 40kV ~ 150kV, adjusted by number keypad,<br>minimum step size is 1kV. |
| Tube current           | 10mA ~ 630mA, adjusted by number keypad                               |
| Loading time           | 1ms ~ 6300ms, adjusted by number keypad                               |
| Current time product   | 0.5mAs ~ 630mAs, adjusted by number keypad                            |

## X Ray Tube

Toshiba E7876X, Stable performance.

|                |                            |
|----------------|----------------------------|
| Brand          | E7876X                     |
| Focal spot     | 0.6mm   1.2mm              |
| Rotation speed | 2700rpm@50Hz, 3200rpm@60Hz |
| Max voltage    | 150KV                      |
| Heat capacity  | 230kHU (111KJ)             |
| Max rate (kw)  | 20/46kW@ 50Hz              |



## Flat Panel

Amorphous silicon without splicing

14\*17inches , Gos /Csi for your choice

High sensitivity

Excellent spatial resolution

Green low dose exposure

Ultralow R noise

More stable performance and environmental adaptability



|                    |                               |
|--------------------|-------------------------------|
| Receptor Type      | TFT                           |
| Conversion Screen  | a-Si / Gos                    |
| Dimensions         | 35.3 cm x 42.4 cm (14" x 17") |
| Pixel Pitch        | 140µm                         |
| Spatial resolution | 3.4 lp/mm                     |
| A/D Conversion     | 16bit                         |

## Dual flat panel (Optional)

Flexible Configuration for your choice.

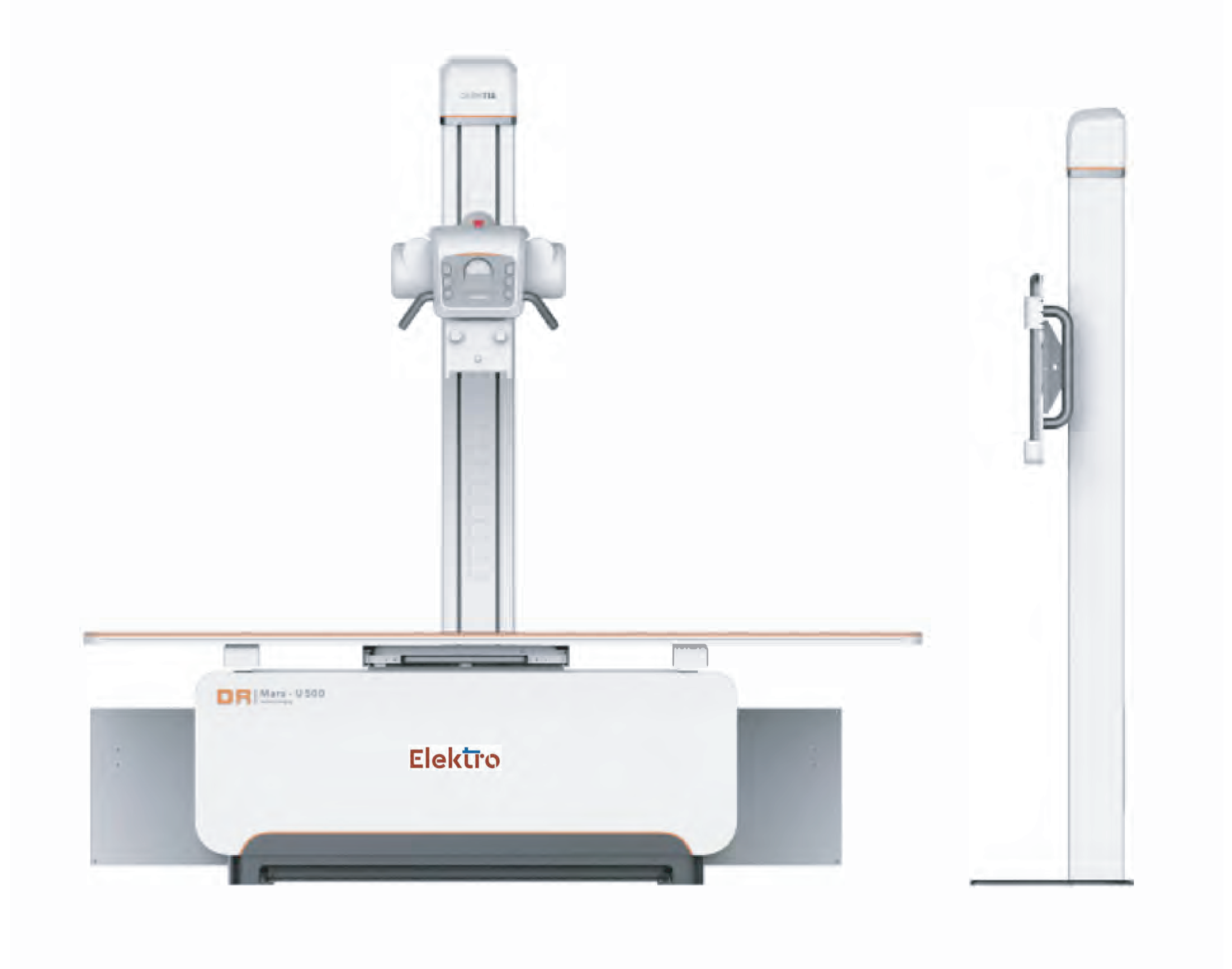
## Dual Column stand

Widely clinical examination for users.

Meet the needs of all body parts, one machine meets all clinical applications.

Faster, safer and more accurate than CR.

DR masterpiece of China, over 1000 units installation in domestic market already.



## Integrated console

ELKTRO exclusive integrated console realized the rack-control, high-voltage exposure, and voice-prompt in one console.



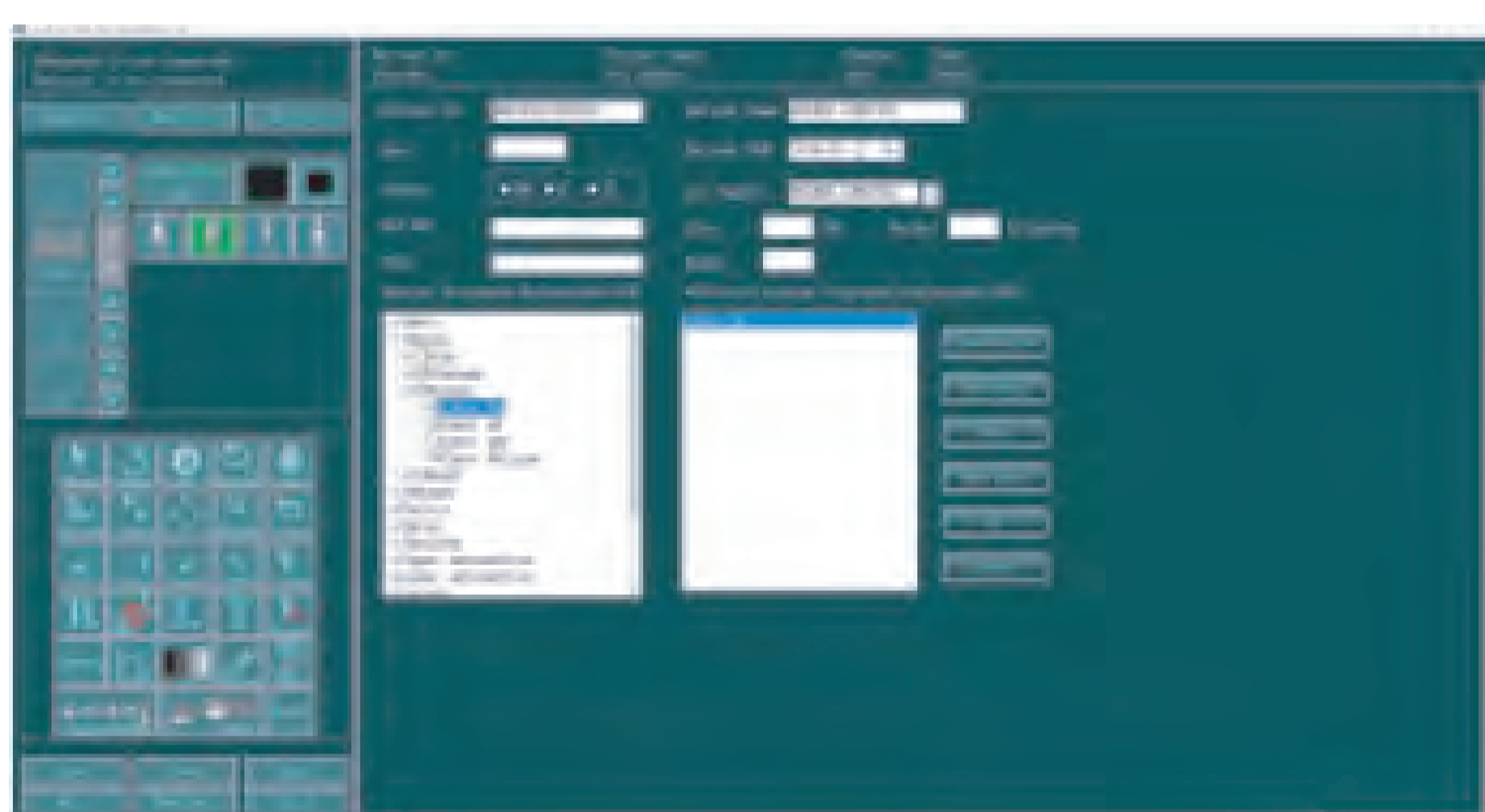
# Powerful image acquisition and processing system

## ELEKTRO Smart-DR™ FP

ELEKTRO Smart-DR™ FP is an independently designed and developed digital X-ray acquisition and imaging software system that passed all IHE tests conducted by the China Association of Medical Equipment and obtained this computer software copyright issued by State Copyright Administration. The imaging system is tailored for ELEKTROS' s flat-panel detector and has an highly integrated central control system. The simple, smooth operation, precision control of the acquisition time and photography dose, and powerful image processing capabilities all make the ultra-low dose and excellent image quality possible in clinical application.

The advanced APR control system can save countless shooting parts and shooting conditions in advance according to different user requirements, making the operation even easier.

High-performance workstation, large-capacity hard disk, and standard DICOM 3.0 transmission printing, providing powerful hardware guarantee for image acquisition, preview, post-processing, storage and transmission printing.



Registration

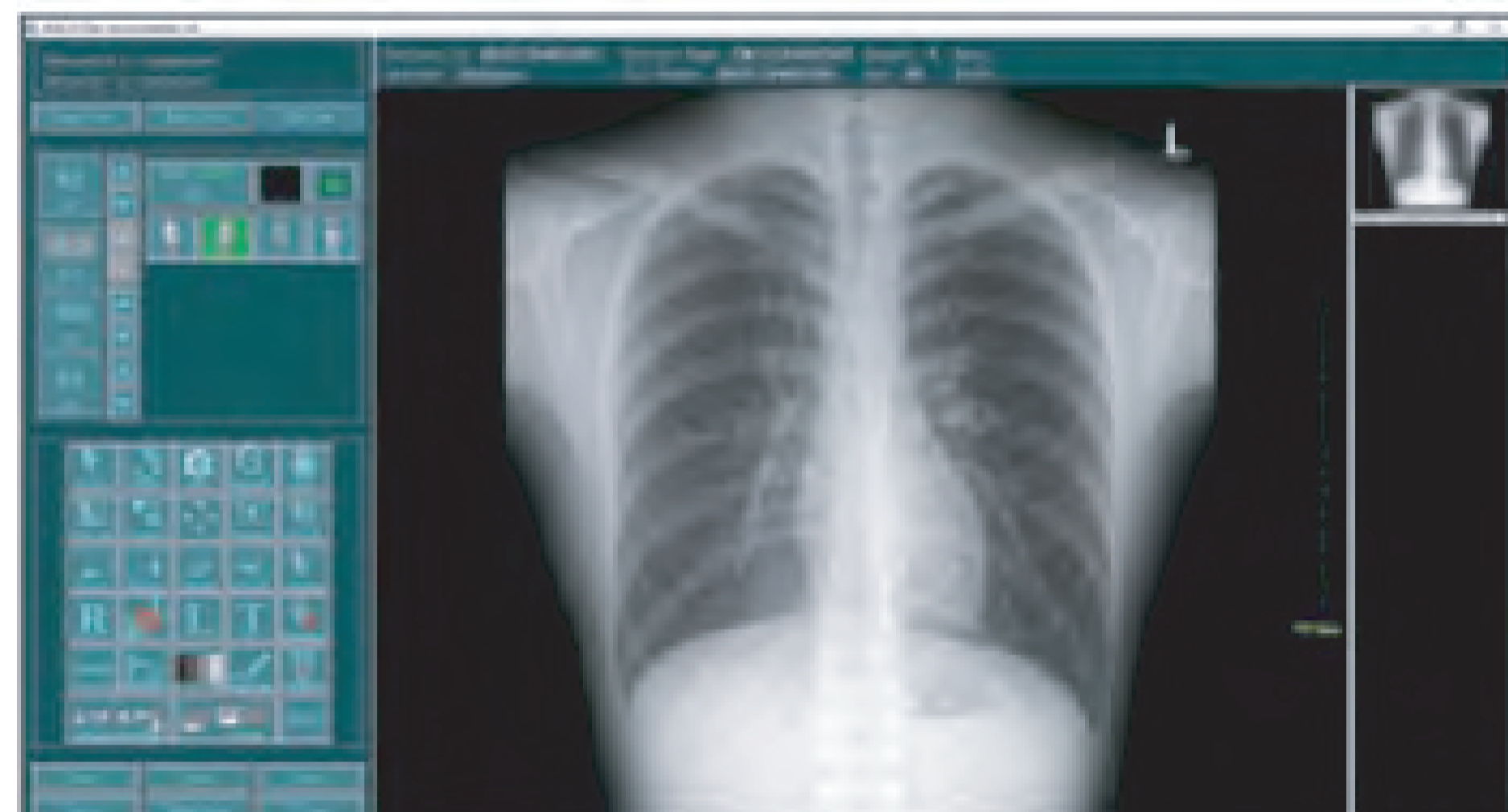


Image Processing



Image Printing

# ELEKTRO Power Solution

## Highlight

### Low requirements

Perfectly match SONTU50-HFG E.

### Low cost

no need to connect three-phase electricity and voltage regulator.

### Small size

no need to occupy additional room space, placed with the high voltage generator.

### Excellent performance

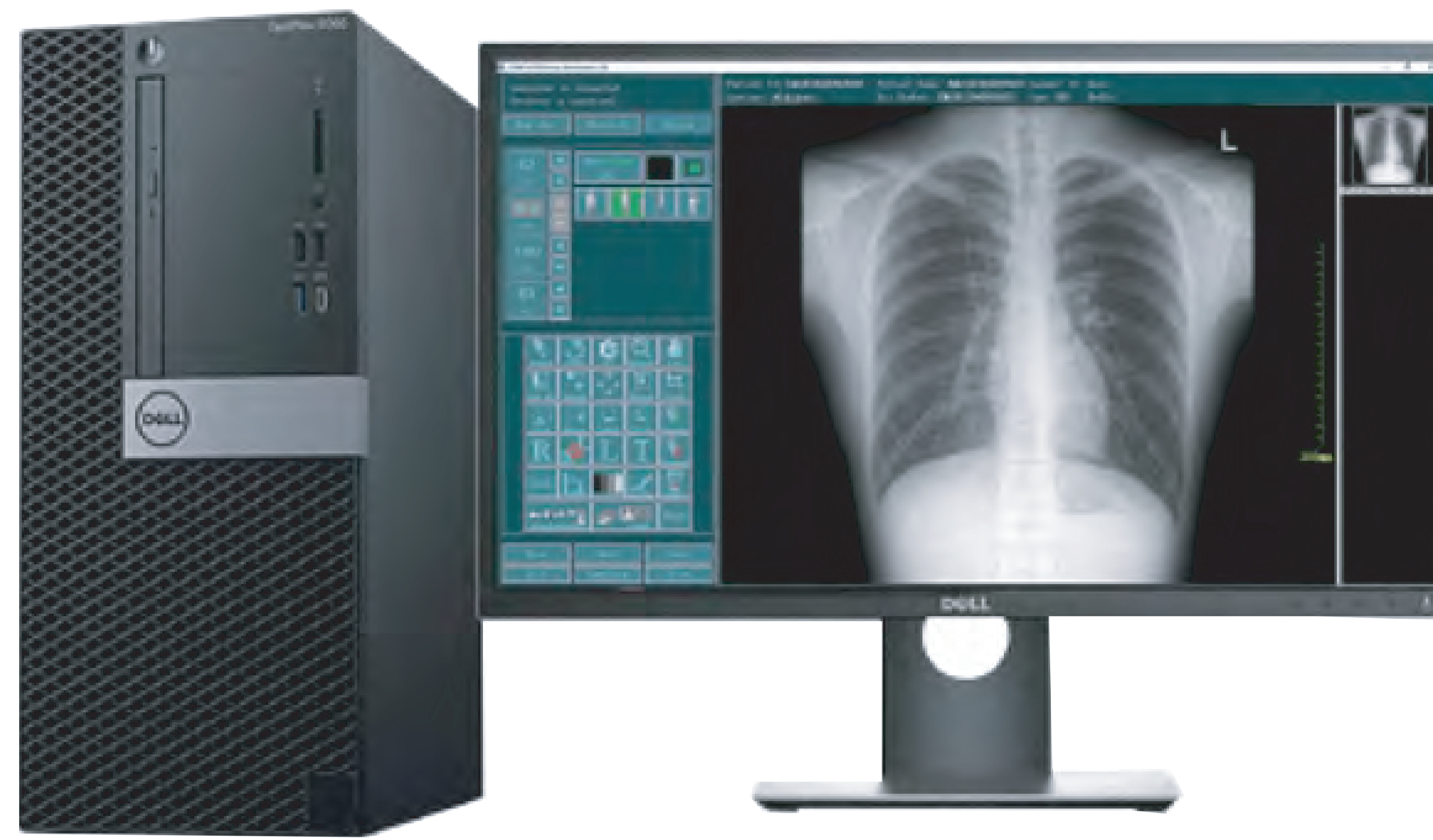
conventional voltage is also achieving 50KW high power output.

### Multiple compatibility

It is not limited by the power grid, and can achieve multiple needs of single phase electricity, two-phase electricity, or three-phase electricity.



## Workstation (Dell desktop)



Medical monitor: 23" LCD DELL

|                           |   |
|---------------------------|---|
| Resolution                | 1280 * 1024 (IM)  |
| Image processing          | Automatic or manual window position and window width adjustment, ROI window position and window width adjustment<br>Image turnover, circumgyrate<br>Image continuous enlarged, automatic or manual image cut<br>Rich label function |
| Image data manage         | Image adopt various of Inquire way (name, time, ID etc)<br>Patient's information register   |
| User individuation design | set the interface and toolbar as you want   |
| Host computer             | System: Windows 7      CPU: Intel Core 2<br>Hard drive: 500GB      Internal storage: 4 G<br>VGA Card: High efficiency speedup card<br>Optical driver: DVD +/-RW   |

## After-sales Service

With professional technical supports, timely deployment of resources, professional training programs and internet intelligent device management scheme, the Customer Service Center provides timely, professional and efficient equipment maintenance, personnel training and intelligent equipment hosting service for customers.

- Permanent Technical Support and maintenance.
- Training Support.
- 24H Respond.
- Remote operation available