# RayNova DRsc4

## Digital X–ray Radiography System

Beyond Boundaries in Healthcare:
Pioneering the future with Medical Imaging

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* The actual product shall prevail. All pictures in this manual are for reference only. *

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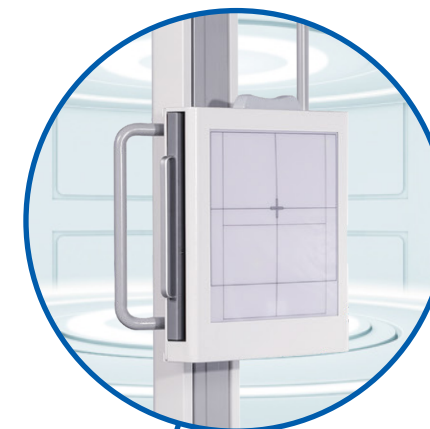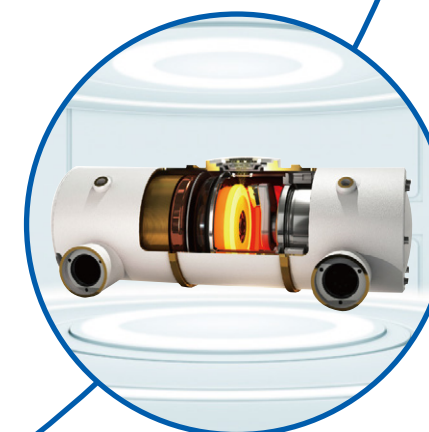
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## 01/ High-resolution Flat Panel Detector

- Portable and mobile amorphous silicon plate
- 3-second imaging
- 14×17-inch high-definition flat panel detector
- Sturdy and durable, and can withstand pressure up to 160 kg
- High DQE

## 02/ High-quality Tube

- 300 KHU large heat capacity design for the continuous working time of the tube

## 03/ HV Generator

- The working frequency of the high-frequency HV generator reaches 220 kHz, making the X-ray output more stable. The generator has a smaller volume and a longer life span. The real-time fault detection and control ensures the safety of key parts such as tube and detector, and greatly reduces the failure rate of the system.
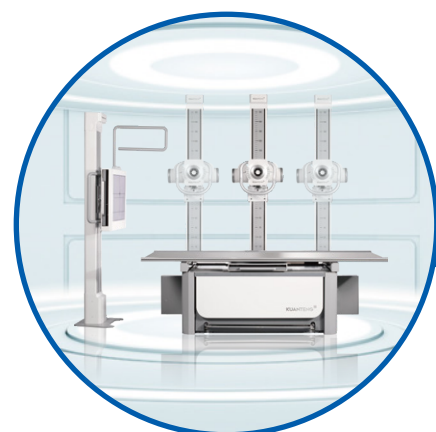
## 05/ Table System

- The DR system applies the integrated design of the tube stand and radiography table.
- Auto-centering function for easy physical examination and easy and effective workflow.

## 04/ Double-stand System

- 360° radiography

# IMAGING SYSTEM

High-quality Core Hardware Configuration
—Self-developed with Ingenuity

# Rich Clinical Application Software

CLINICAL

The system is equipped with the latest developed image processing software to provide convenient personalized system management for users, and it contains rich image processing and management functions.

## ▌ Tissue Equalization Technology

The algorithmic width stretching and space filling of the original image in the display range can greatly increase the amount of the original data, and further increase the amount of processable data to improve the data integrity.
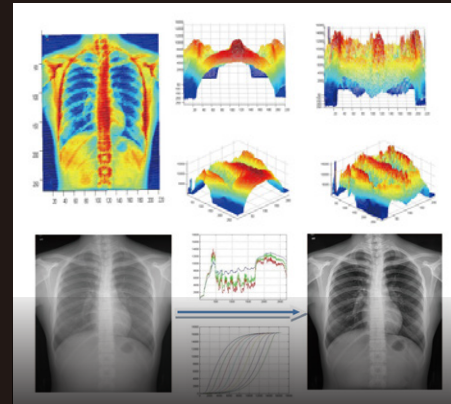


## ▌ Automatic Identification of Effective Tissue Imaging Area

Improve the effective tissue contrast resolution by automatically identifying the effective tissue imaging area, suppressing the invalid imaging area processing fixed grid shadow, and automatically extracting and removing the artifacts other than that of the human body.
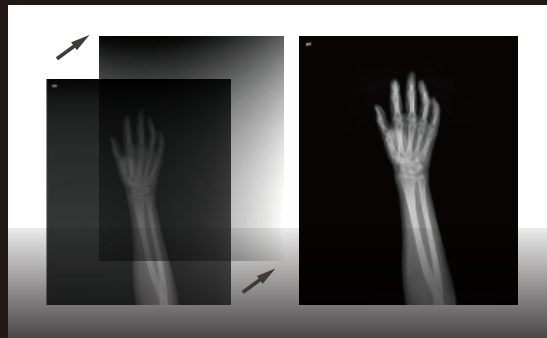
## ▌ Long Bone Stitching Function

The self-developed, latest and most advanced algorithm and technology can complete the marker-free stitching full spine imaging to ensure the gray contrast uniformity and integrity of the stitching image.
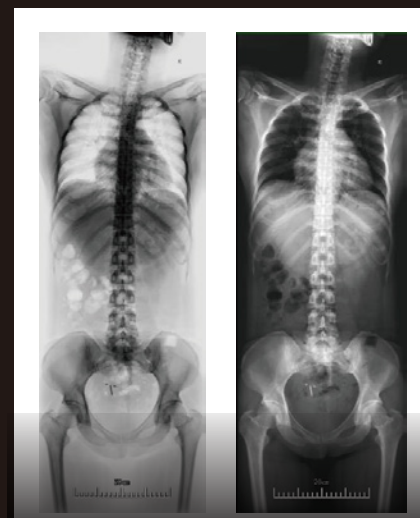
# Easy and Fast Intelligent System

INTELLIGENCE

## ▌ Smart standby for green energy-saving

The system automatically identifies the equipment working condition and enters the standby state in which the energy consumption of equipment energy consumption is only equivalent to that of a laptop computer, which is green and energy-saving.

## ▌ One-key Start

The whole system can achieve one-key start without warm-up.

## ▌ Five-in-one Workstation

The system includes five modules, such as patient management, image acquisition and HV generator control, image processing, film printing, and diagnosis report, so that one workstation plays the role of multiple workstations.

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