



C-ARM

Discovery 5000



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PRODUCT APPLICATION

With cutting edge technology and high performance, this system becomes a reliable partner in the OR for a vast range of surgeries. Professional diagnostic and treatment platform delivers the optical performance for wider application.

- Pain management
- Orthopedics
- Urology surgery
- Spinal surgery
- Abdominal surgery
- Digestive department
- Gynecology



Four dimensional movement control

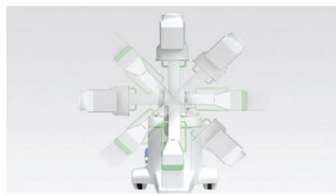
- Four dimensional motorized movement for easy and accurate positioning.



MOTORIZED UP AND DOWN



MOTORIZED SLIP ORBIT

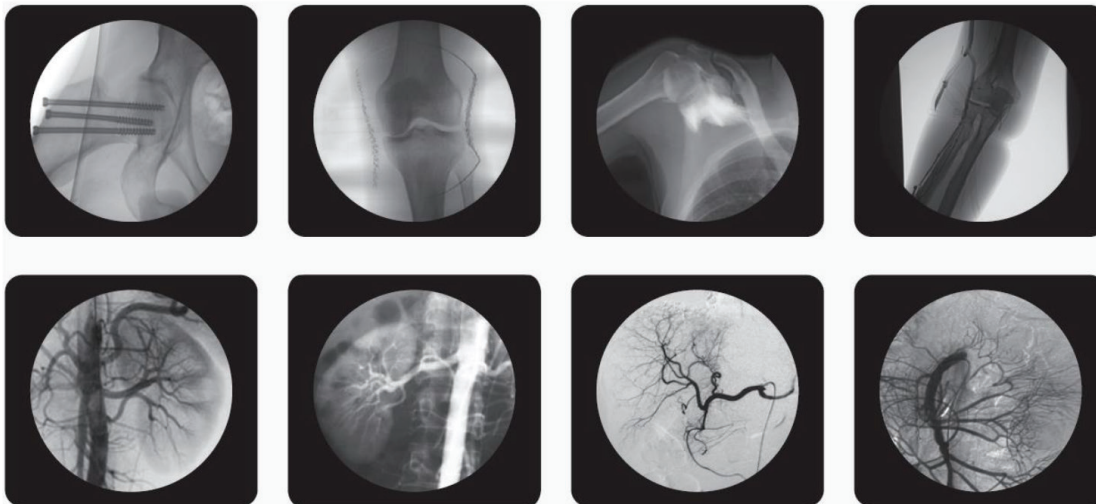


MOTORIZED ROTATED



MOTORIZED HORIZONTAL

CLINICAL IMAGES



Category	Item	Main Contents
Electrical Performance	High Frequency Inverter Power Supply	Output Power: 6.0kW Inverter Frequency: 60kHz
	Automatic/ Manual	Tube Voltage:40kV ~125kV continuous adjustment
	Continuous Fluoroscopy	Tube Current:0.3 mA~4mA continuous adjustment
	Automatic/ Manual	Tube Voltage:40kV ~125kV continuous adjustment Tube Current:0.3mA ~8mA continuous adjustment
	Radiography Tube Voltage, mA	40kV ~125kV 120mA

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	Radiography Tube Voltage, mA	40kV ~125kV 120mA
X-ray Tube	X-ray Tube Special Fo r High Frequency	Rotary anode focus: 0.3/0.6 mm Anode thermal capacity: 212 kj (300KHU)
Image System	Image Intensifier	TOSHIBA 9" Image intensifier
	CCD Camera	Medical Mega -pixels digital CCD camera
	CCU	Real time collection, horizontal, vertical mirror image, recursive noise reduction can be adjusted continuously, multi -images storage, image patching, last image freeze
	Monitor	19" 1M medical LCD monitor
	Work Station Software	Storage without damage, multi -images display, image W/L real time adjustment, grayscale switch, region of interest balance, GAMMA correction, flip, noise reduction, intensifying, smoothing, sharpening, compression, zoom in, measurement, remark, picture -text typeset print, expert template, DICOM image transmit, DICOM image print, cine loop, image imprinting, Work list registration, etc.
Structure Performance	Direction Wheel, Main Wheel C-arm	Direction wheel 360°rotation, main wheel ±90°rotation Motorized forward and backward movement: 200mm Motorized rotation around horizontal axis: ±180° Motorized slip on orbit: 120°(+90° ~-30°) Motorized ascending and descending of pillar: 400mm Rotation around vertical axis: ±15° SID: 1060 mm open: 860 mm arc depth: 700 mm

RAY SOURCE

- Unique design of large thermal capacity (1000KJ) with advanced heat dissipation technology, allows for clear images, even for long and repeated procedures.

- Motorized iris collimator with multi leaf supports high accuracy for selected x ray field size.

IMAGE ACQUISITION SYSTEM

- Discovery 5000 adopts mega pixels imaging chain technology, optimal design and configuration. Medical use monochrome support the 1280*1024 pixel array spatial resolution. The acquisition system of 12 bit, 4096 gray scale, quadruple of 10bit, 1024 gray scale.

EFFECTIVE GUARANTEE OF IMAGE PROCESSING SYSTEM

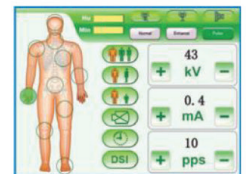
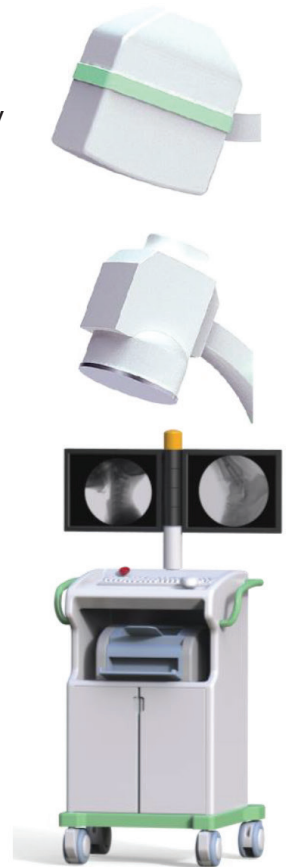
Discovery 5000 equipped with specialized workstation which has powerful image processing function.

- Workstation has the function of fluoroscopy storage, operator can capture and store statistic and dynamic image to minimize the need for repeat exposure.
- Mass capacity digital storage, Images from spot film and fluoroscopy are both lossless stored in digital format. Doctors can edit and share the images any time they need.
- Versatile professional measuring functions, providing comprehensive software system for the interventions.

INTELLIGENT AND HUMANIZED CONTROL SYSTEM ENSURE THE SMOOTH OF DIAGNOSIS

Dosage control and intelligent work mode

- Instant switch between dose mode and low dose mode.
- Humanized LCD touch screen and accurate APR parameter setting allow the easy and fast operation during surgery.





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