Pilot-c

Floor-mounted intelligent FPD 7-axis DSA

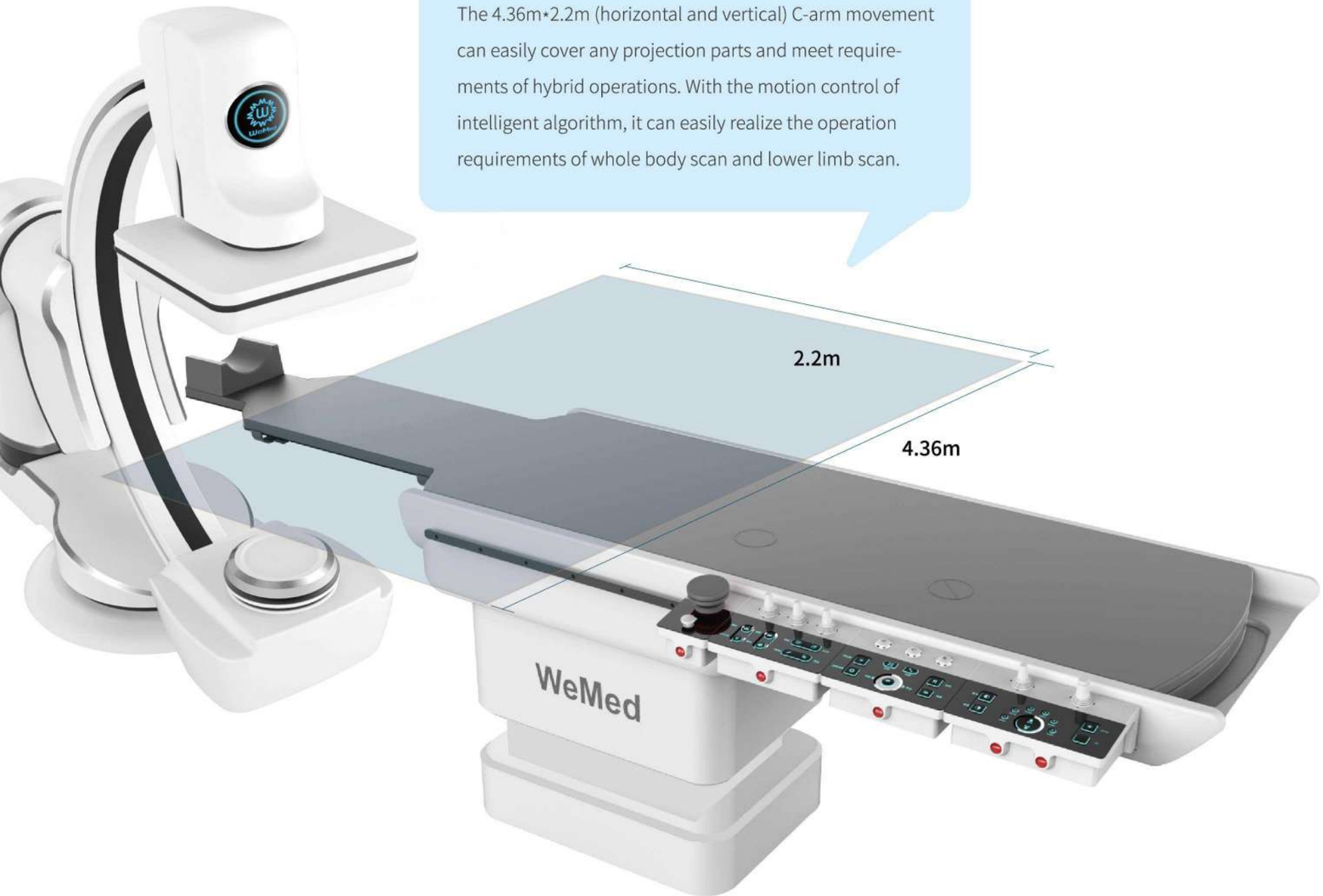
Medical Digital Subtraction Angiography System

Aurora, the latest floor-mounted intelligent FPD 7-axis DSA

With its novel floor-mounted 7-axis linkage gantry design, it' s easy to project different surgical parts of patient and provide the ultimate high-definition surgical images for interventional surgery. It covers small floor area and meet installation requirements of hybrid operating room.

Ultra-smart 7-axis gantry, ultra-wide scanning range

The 4.36m*2.2m (horizontal and vertical) C-arm movement can easily cover any projection parts and meet requirements of hybrid operations. With the motion control of intelligent algorithm, it can easily realize the operation requirements of whole body scan and lower limb scan.



Ultra-smart floor-mounted 7-axis linkage gantry is easy to project any surgical angel and meets interventional surgery requirements.

One key operation, convenient & precise surgical position switching

Various dedicated surgical positions

Park position
hybrid operation position, convenient for surgery

Common lateral position
Rotation DSA, 3D reconstruction

Stepping scan position
Ultra-long scan range, image mosaic

Thoracic and abdominal surgery position
Rotation table, multi-angle switching free

One-key convenient operation, can set up to 600 different movement modes. Smart table-side touch screen microcomputer can freely set various parameters in real time, intelligently adapt to different surgical needs.

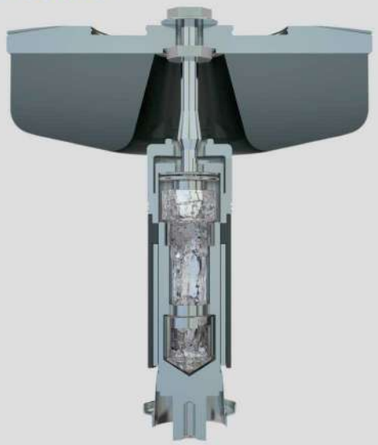
Liquid metal bearing tube, Longer service life

The large heat capacity liquid metal bearing X-ray tube has lower noise and Longer service life.

On the basis of ultra-high heat capacity, to realize "0" start-up time.

Dual circulation cooling system improve surgical efficiency greatly.

The refined craftsmanship greatly increases the tube life and makes it more safer and reliable.



Five sets anti-collision

Intelligent induction protection is a new generation of safety protection device, which can automatically sense the surroundings during the use of the equipment. Once the object is sensed, the built-in protection device will be automatically activated to prevent touch injuries. Various of sports protection are integrated to establish a five sets intelligent sports protection circle, which is safe and efficient.

Omnidirectional floating catheterization table

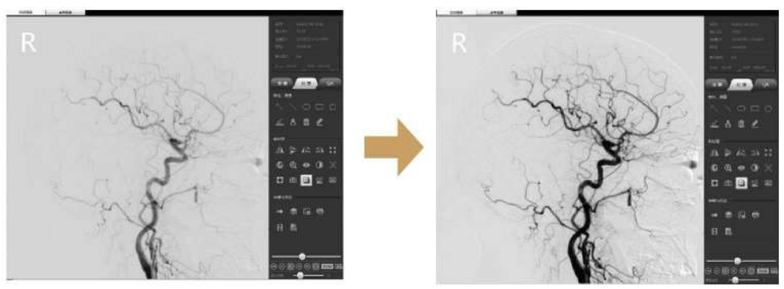
3 meters table board, lowest descending height and ±180°rotation can meets any requirements during operation.

The table board with high penetration rate can perfectly reduce the impact on imaging.

5A image processing technology HD images

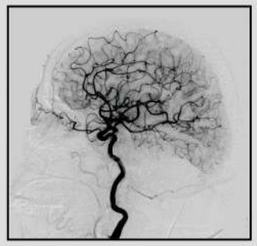
5A algorithm automatic optimization, according to different surgical procedures, more targeted optimization is carried out to comprehensively improve image quality and present high-definition images.

5A image processing technology, the image quality presents a qualitative leap, with better vision and clearer images.

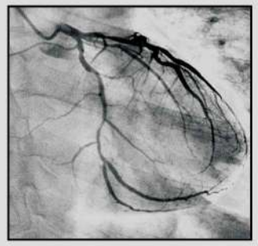


The "5A" algorithm not only optimizes the image, but also realizes the automatic adjustment of the parts image parameters according to doctor's personal habits, which is intelligent and efficient.

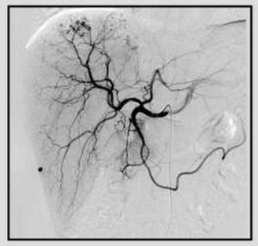
HD image, more clearer



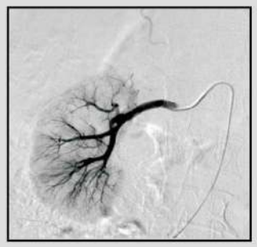
Neuro intervention



Cardiac intervention

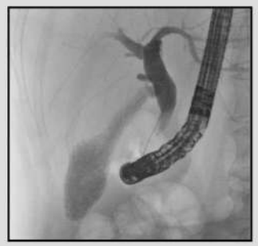


Oncology intervention

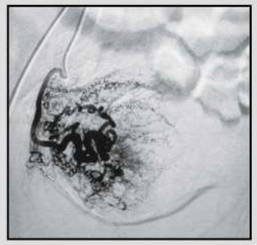


Peripheral intervention

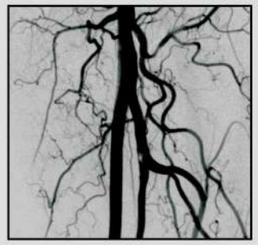
Respiratory intervention



Gastrointestinal intervention



Gynecological intervention

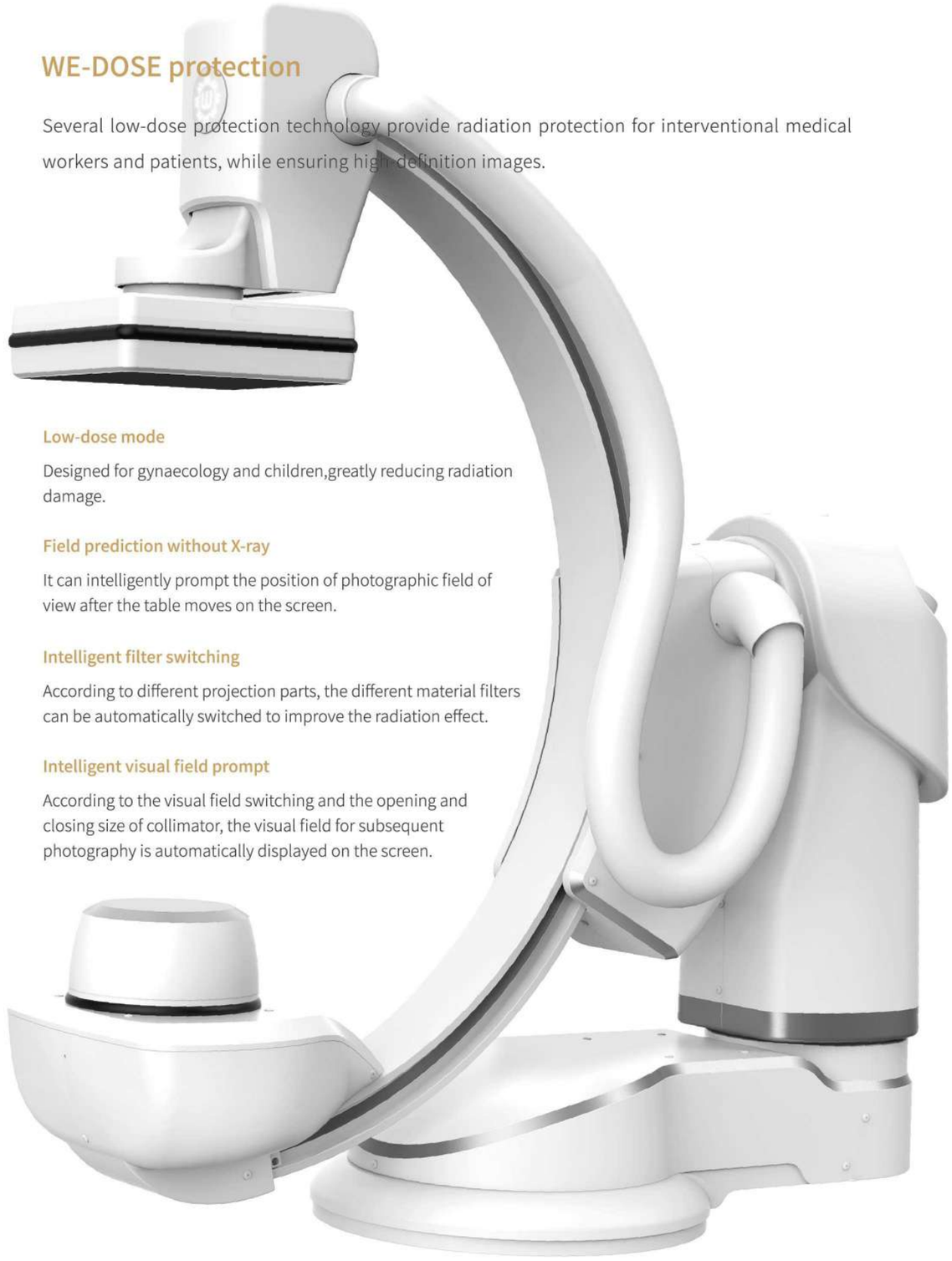


Lower limb intervention

Orthopedics

WE-DOSE protection

Several low-dose protection technology provide radiation protection for interventional medical workers and patients, while ensuring high definition images.



Low-dose mode

Designed for gynaecology and children,greatly reducing radiation damage.

Field prediction without X-ray

It can intelligently prompt the position of photographic field of view after the table moves on the screen.

Intelligent filter switching

According to different projection parts, the different material filters can be automatically switched to improve the radiation effect.

Intelligent visual field prompt

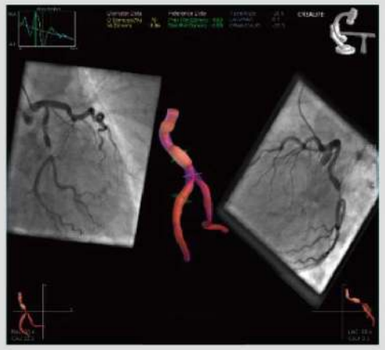
According to the visual field switching and the opening and closing size of collimator, the visual field for subsequent photography is automatically displayed on the screen.

3D reconstruction processing (according to actual configuration)

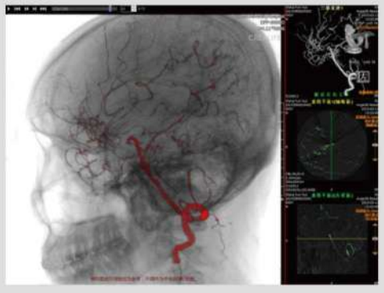
Maximum density projection, multi-plane reconstruction, surface reconstruction, volume reconstruction, arbitrary curve combination, virtual stent, transparent color 3D mode, fast 3D reconstruction, virtual gantry indication.

The advanced rotational DSA function is used to process multi-angles acquisition of patient. With intelligent algorithm to reconstruct perfect 3D model, this allows doctors to observe the affected area from different angles and easily find the lesions that are not easy to find.

There are also multiple 3D functions, which can be used to reproduce the nerves, cardiac and other sensitive parts with a high degree of reduction.



The 3D fusion function can integrate and display different 3D models & images, which is more intuitive and the display effect is better.



Advanced software function

Providing professional measurement and analysis to improve accuracy according to specific disease diagnosis and surgical treatment needs.

Vascular stenosis analysis

Accurate vascular status analysis, providing real-time information of the blood vessels length, stenosis and cross sectional area of blood vessels.

Ventricle analysis

According to doctors' needs, through analysis of ventricle ejection and ventricular wall motion, to calculate ventricular ejection fraction efficiently and provide data basis for following treatment.

Image mosaic

Combined with the one-key scanning function, it can display the whole body vascular image or whole lower limber vascular image.

Advanced "Cloud" technology

Image "Cloud" technology
Cross-platform application, interconnect with information terminals, easy to share cases and surgical images.

Service "Cloud" technology
Intelligent self-check of software and hardware, real-time monitoring of hardware status, early warning of fault information.

Rebroadcast "Cloud" application
Multi-port image output meets the needs of real-time broadcasting and teaching.

Remote department consultation, operation live broadcast, construction of information-based hybrid interventional operating room.