

MobileRay-C Digital Mobile C-Arm

A super partner in surgery

Justus



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MobileRay-C Low dose mobile C-arm

"MobileRay-C" is a low-dose mobile C-arm with flat-panel detector, which is mainly used for surgical positioning and imaging capturing. The industry-leading flat panel detector and advanced SPI processing technology are adopted to effectively reduce the loss of image signal and improve the image quality; IDC exposure technology and innovative DAP dose real-time display ensure best image quality at a minimized dose; It can meet the needs of different clinical application, and will bring a new experience for clinical workflow.

Position application in surgical

Surgical requirements of different clinical application scenarios

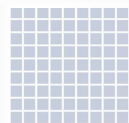


High efficiency flat panel detector; Super flat panel, to achieve perfect image

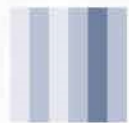
Product features

Using the full digital HD large-scale dynamic flat panel detector, there is no distortion in image acquisition. The product adopts millions of high pixels, and the pixel spacing is not more than 200 microns, any tiny anatomical structure can be clearly displayed. The highest spatial resolution is 3.2 LP / mm, and the details of the multi-level field of view image are still clearly visible.

Using 16bit gray level acquisition, GPU parallel computing acceleration technology and SPI algorithm processing technology, it can effectively reduce signal loss, shorten imaging time and improve image quality.



Million
high pixel



16bit
grayscale collection



3.2lp/mm
spatial resolution



SPI (Serial Peripheral Interface)
Processing technology



5-way multi axis C-arm, smart body, flexible and convenient

Product features

Mobile C-arms shelf, Control by five axis motion, the C-arm can rotate $\pm 195^\circ$ along the horizontal axis, swing $\pm 15^\circ$ horizontally and lift 400 mm vertically. When dealing with the common orthopedic operations such as osteosynthesis, reduction and nailing, as well as spine pushing and joint surgery, it can flexibly meet the needs of multi angle surgical imaging, and the surgical positioning is more accurate.



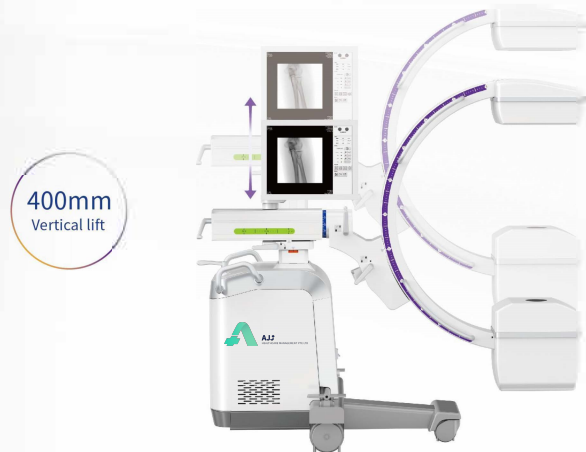
$\pm 195^\circ$
along the horizontal axis
 $\pm 15^\circ$
horizontally
400mm
lift vertically

Product features

Balanced body design, stable and coordinated motion control. Marking the movement axis with color, which clearly indicates the movement of each axis, and is convenient for movement control at use.



130°
Orbital
movement

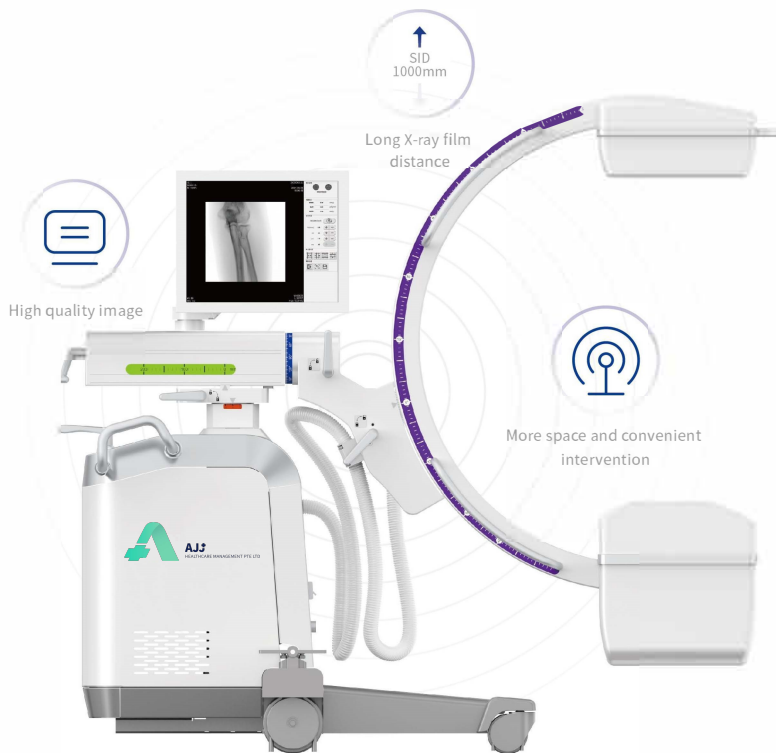


400mm
Vertical lift

5-way multi axis C-arm, smart body, flexible and convenient

Product features

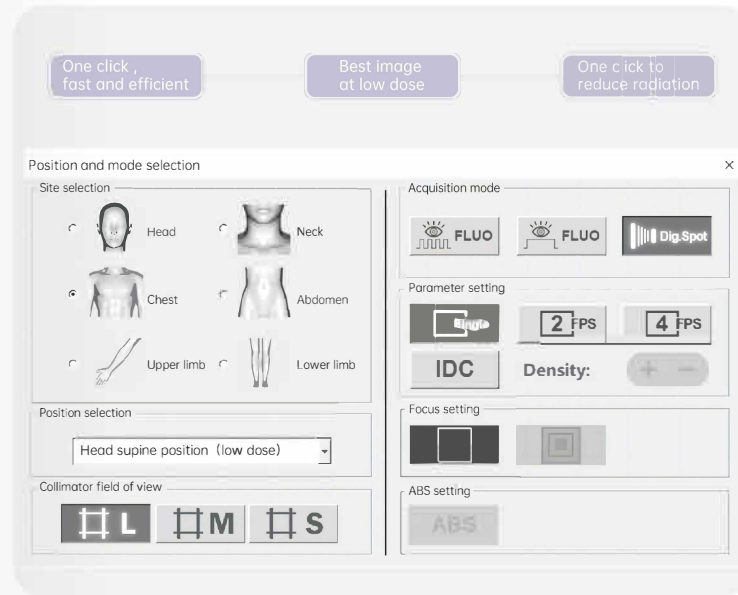
- Opening and arc depth of C-arm are larger, convenient for the intervention operation.
- Long SID design, support 1000mm X-ray film distance, ensure high quality image



Function and protection design are closer to clinical; Multi functions and ease of operation

Product features

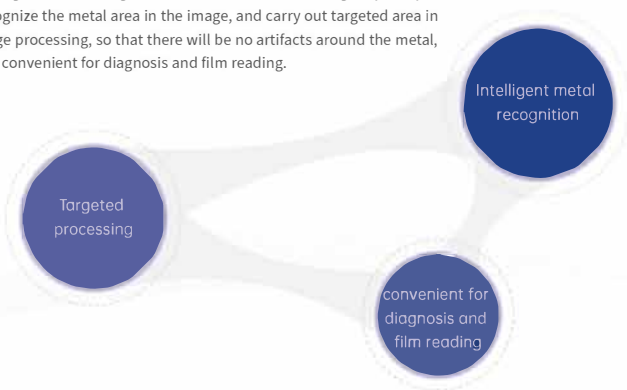
- It has the function of apparatus programmed radiography (APR). It can adapt the exposure parameters independently according to different clinical application scenarios, and it is fast and efficient.
- Automatic brightness adjustment technology and intelligent exposure control technology are adopted to ensure the best dose and image in the case of fluoroscopy and spot film.
- The electric collimator has the function of one click, which can enter the target field of vision by one click in the root distance X-ray film or fluoroscopy, effectively control the irradiation field of vision, and effectively reduce the dose.



Function and protection design  are closer to clinical; Multi functions and ease of operation

Product features

The intelligent metal recognition (iMR) function can intelligently analyze and recognize the metal area in the image, and carry out targeted area in the image processing, so that there will be no artifacts around the metal, which is convenient for diagnosis and film reading.



Function and protection design  are closer to clinical; Multi functions and ease of operation

Product features

- Real-time indicating the heat capacity of tube and X-ray locking protection effectively indicates the heat capacity of the tube, which is convenient for X-ray control in different application scenarios.
- The innovative function of real-time display and statistics DAP dose in the process of acquisition can ensure high-quality images, reduce the dose and accurately record the dose in the whole operation.

Indicator of tube and X-ray status for protection

Effectively indicate the heat capacity of the tube, which is convenient for X-ray control in different application scenarios

Software DAP dose display

The software DAP dose display and dose statistics in the acquisition process can ensure high-quality images and reduce the dose, and can accurately record the dose in the whole operation.

DOSE:	0.40	mGy
DAP:	6.35	μGym²
Rate:	0.00	mGy/min

Multi functional and comprehensive clinical use

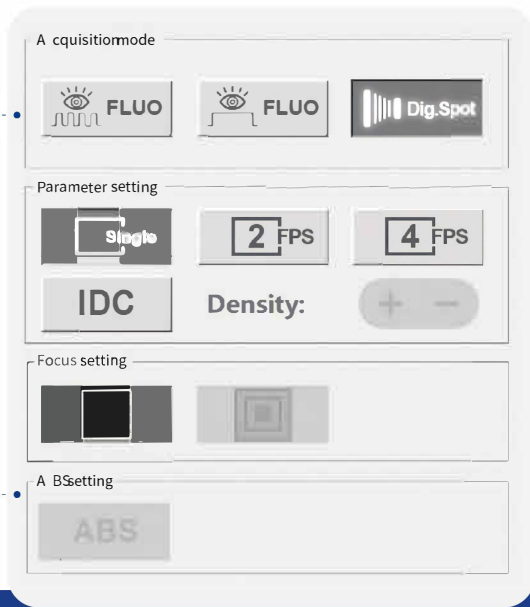
Product features

Multi image acquisition mode, supporting X-ray film, pulsed fluoroscopy and continuous fluoroscopy modes, meeting the needs of surgery in different clinical application.

Multi images acquisition mode

supporting radiography, pulse fluoroscopy and continuous fluoroscopy image acquisition modes

ABS Automatic brightness adjustment



Multi functional and comprehensive clinical use

Product features

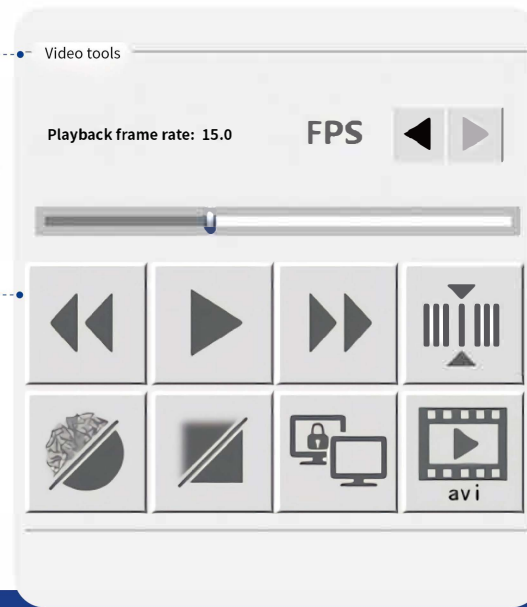
- Multi image acquisition includes static image acquisition, dynamic image acquisition, video saving, video playback, image window adjustment, and video window manual adjustment; To meet the needs of intraoperative and postoperative use.
- The video data can be exported in AVI format for academic exchange.

Video save / playback

Support static image acquisition, dynamic image acquisition, video saving, video playback, image automatic window adjustment, image manual window adjustment and video manual window adjustment; It meets the needs of doctors for intraoperative examination and afterwards.

Support AVI format export

The video data can be exported in AVI format for academic exchange.



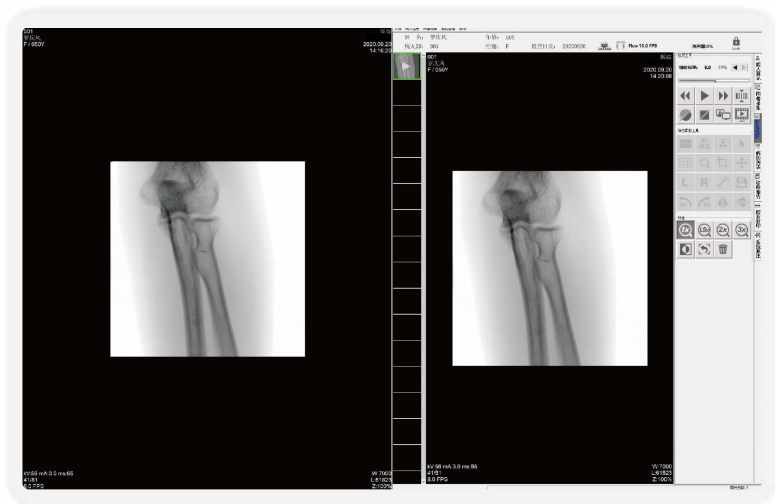
Multi functional and comprehensive clinical use

Product features

With double screen display, the fluoroscopic image has three level zoom display. When video capture or playback, you can select a frame of the video image to remain in the sub screen, as a reference image for operation; it can bring a new experience for clinical operation.

Dual screen display function

With 3 levels of partial zoom display function



Multi functional and comprehensive clinical use

Product features

High definition touch screen embedded in the device, supports touch adjustment and screen flip, supports real-time display of parameters and other information.



High definition touch screen inside



Touch-screen and screen flipping



Display of parameters and other information

