

Digital C-arm X-ray System

PROSTAR

Innovative Mobile Imaging



GOOD DESIGN

DK

DK⁺ Medical Systems



Optimal Solution for Confined Operating Rooms

- Compact and Ergonomic Design for easy operation
- Superior Image Quality
- Dose Reduction through Various Pulsed Fluoroscopy Modes
- Wider SID, Wiser operation
- Seamless compatibility with DICOM3.0



PROSTAR...

Superiority and Efficiency in Mobile Imaging

DK Medical Systems' incessant effort to realize innovation in the medical equipment field was rewarded with a competent C-arm, PROSTAR, which is breaking new ground in the standard of versatility and efficiency.

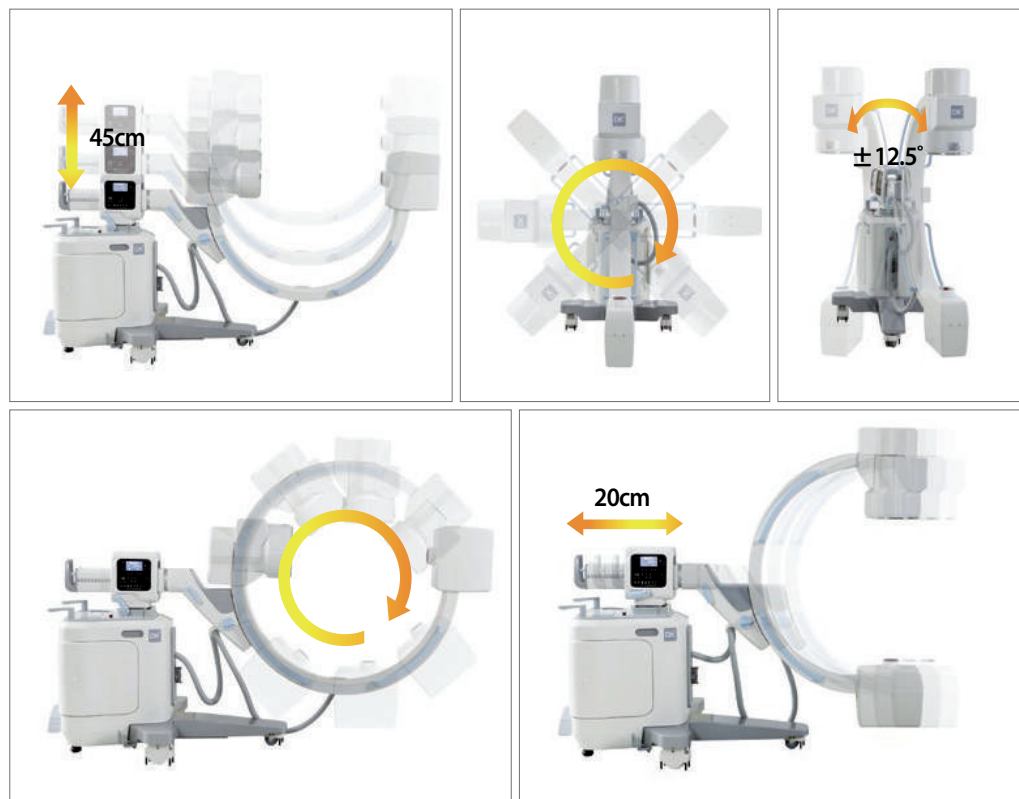
PROSTAR effectively meets the various requirements of advanced clinical workflow by supporting a wide range of applications in the operating room.

Its compact design and light-weight body enables smooth movements and operations.

Thus, provides remarkable mobile performance for daily clinical workflow as well as excellent image quality.

Also, PROSTAR offers longer SID that allows the operator to use more conveniently and comfortably.





Compact Design for Easy Operation, Powerful Performances

PROSTAR features a compact and optimized design for easy operation with all the cables of components contained within the C-arm. Its light-weight body supports more smooth movements providing astonishing mobile performance for efficient workflow.

In addition, its longer SID enables more convenient and comfortable operation for both operator and patient.

Superb Digital Image

PROSTAR is adopting not only the best suitable hardware but also various image processing technologies to optimize image acquisition which is undoubtedly the utmost factor for the surgical C-arm. The cutting-edge 1 Mega-pixel medical camera is elaborately fitted into a simple design to offer a powerful solution for limited space with the guarantee of an excellent digital image.

High Performance with Lower Dose

PROSTAR is equipped with a high performance X-ray generator. The pulsed fluoroscopy mode allows for significant dose reduction without compromising image quality.

High performance C-arm for Superb Image Quality



PROSTAR is designed with ergonomics in mind for using in a limited space such as an operating room. PROSTAR is a compact and state of the art medical system with high quality materials. PROSTAR is characterized by its small footprint and superior mobility

Ease of Use

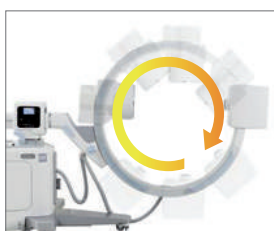
Two Control Panels on Both Sides

Two control panels are placed on both sides for ease of use and a modern look.



C-arm movement fully Counterbalanced

All movements are fully balanced providing soft and smooth movements in any position.



Easy to Move

Thanks to a light weight and compact design, PROSTAR enables a single user to easily move in limited space such as an operating room.



40" Landscape full HD LED Monitor

40" Landscape full HD Monitor with a built in LED light can be displayed one live image and four saved images. Ultra high brightness and contrast ratios provide vivid and pristine images enabling use for a variety of diagnostic environments.

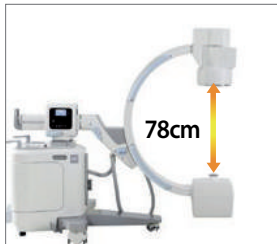
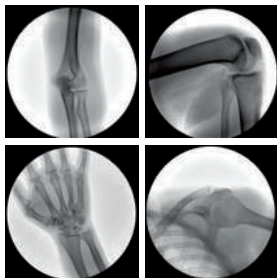


Rear Brake

The rear brake is set as either unlocked or locked when press the pedal.



Excellent Image Quality with Digital Image Processing



High Resolution Images

PROSTAR's high voltage generator with short and sharp pulses ensures clear and high-resolution images under any circumstances. The high technology of the generator also contributes to the distinctive reduction of dose levels. With its high resolution CCD Camera, PROSTAR lucidly visualizes the anatomical structures and provides excellent images to make use of.

Dose Reduction through Pulsed Fluoroscopy and Half Dose Mode

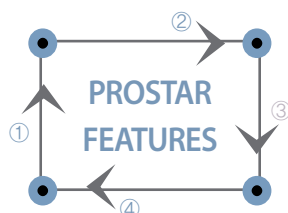
PROSTAR is equipped with a high performance X-ray generator. The pulsed fluoroscopy mode allows for significant dose reduction without compromising image quality.

Wider SID with a Larger 78cm Free Space in Arc

Due to 78cm larger C-arm opening, PROSTAR allows easier patient access and convenient operation.

Full DICOM Connectivity

PROSTAR is fully integrated with the DICOM3.0 standard, which is capable of transferring captured images along with patient data to and from the PACS and HIS/RIS offering ultimate digital network combination. Streamlined image processing system includes CD-writing functionality for image storage and export. Core DICOM functions, Digital Imaging and Communications, are available for expanded data transfer.



- ① High Resolution Images
- ② Dose Reduction through Pulsed Fluoroscopy
- ③ Wider SID with a larger Free Space
- ④ Full DICOM Connectivity



Optimized Image Processing, One-stop Solution for Easy Management

PROSTAR's unique image processing software and the user interface are Windows based which provides user-friendly access ensuring easy usage and management.

Its diverse image processing technologies enable to acquire the optimal images to satisfy complicated surgical needs by means of its special features such as Auto Windowing, Digital Compensation Filtering and Fine Auto Brightness Control etc.



Landscape full HD Monitor with a built in LED light





Optimal Image Processing Software

- Specialized 1 Mega-pixel medical CCD camera
- A broad range of grayscale display and adjustment supports precise diagnosis
- Multi-layered digital filter for optimized fluoroscopic and radiographic images
- Automatic brightness control not affected by moving subject
- Accurate feedback system supported by the Auto Exposure Control
- Real-time acquisition and processing of the image



DK⁺, the Best Healthcare Company

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※ The appearances and specifications are subject to change for reasons of improvement without notice.