Fully utilize your capacity

Philips Juno DRF digital radiography and fluoroscopy system

Increased efficiency and maximum return on investment is one of the crucial factors in today's ambitious healthcare business. With the Juno DRF you will receive a 2-in-1 system for digital radiography and fluoroscopy which enables you to perform a wide range of digital X-ray applications. You will benefit from enhanced room utilization, but will also experience a faster workflow, increased patient throughput and optimal return on investment.

Key advantages

- Increased patient throughput and efficiency thanks to smooth digital workflow
- Higher room utilization and maximized return on investment thanks to one system for radiography and fluoroscopy
- Versatile solution enabling a wide range of applications

VILLA SISTEMI MEDICALI

PHILIPS
sense and simplicity

Juno DRF highlights

The Juno DRF digital system for both radiography and fluoroscopy examinations enables you to increase your workflow and patient throughput while at the same time enhancing your room utilization thanks to a 2-in-1 system and a wide range of applications.

Enhanced efficiency and patient throughput

The Juno DRF helps you to accelerate your workflow and patient throughput thanks to a single dynamic flat panel detector for all your high resolution digital radiography and high frame rate fluoroscopy applications. Performing both imaging techniques with one single digital system saves your time and your money.

Smooth digital workflow, improved image quality

Your digital images are instantly available with no need to handle cassettes or wait for film processing. Benefit from a digital environment with a smooth, accelerated workflow, higher throughput and less waiting time for your patients.

Specific digital processing algorithms for individual anatomical regions recover image visualization in under- and overexposed regions. As a result, you will experience improved image quality and fewer retakes.

Significant reduction of preparation time due to automatic geometry positioning according to preselected exam parameters.

Higher room utilization and maximized return on investment with 2-in-1 system

Idle room capacity is a common dilemma with dedicated fluoroscopy systems. They are usually operated at full capacity in the morning and then see utilization drop off in the afternoon. With the Juno DRF 2-in-1 system you can increase utilization rates throughout the whole day. Higher capacity in fluoroscopy paired with an enhanced application spectrum in digital radiography helps you to increase room utilization and further maximize your return on investment. You will also benefit from a better space allocation as well as lower cost for maintenance and personnel training.

Versatile system, wide range of applications

The digital flat panel detector of the Juno DRF delivers the same high spatial-resolution image quality as other state-of-the-art DR systems (148 micron pixel) and the DRF images are not affected by the geometric distortion typical with Image Intensifiers. With a high temporal resolution frame rate of up to 30 frames per second, it allows you to perform all radiography and fluoroscopy procedures in high image quality, with a single system. The Juno DRF offers you a wide range of applications, including the most common general radiographic procedures, gastro-intestinal studies, tomography, and vascular studies. The single detector even enables you to take exams on the table with source-to-image distance of 180 cm (71").

Experienced, reliable partner

With more than 100 years of medical X-ray experience, Philips is a pioneer and leader in X-ray imaging, digital radiography, and fluoroscopy. As a global partner for leading healthcare facilities worldwide, we offer a comprehensive, multi-modality set of solutions for the entire radiology department. Our customers benefit right from the start from the Philips global service network. Experienced staff will support you at every level to ensure you get the highest possible uptime and return on investment as well as maximum utility from your system.

Optional stitching function enables spine and extremity reconstruction in distortion-free image quality.

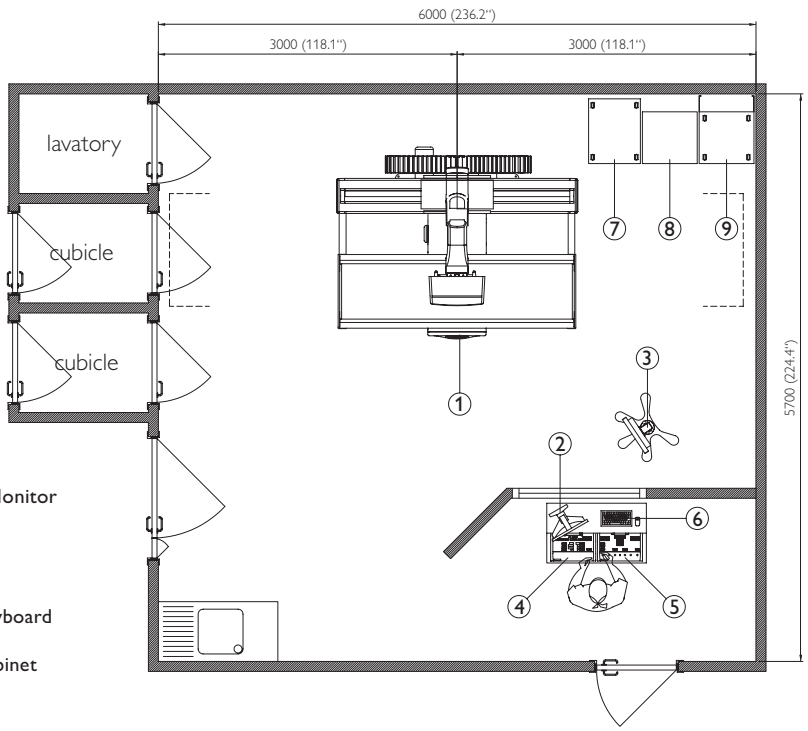
With SID up to 180 cm (71"), an extensive range of radiography exams can be taken, for example chest studies in 90° upright table position.

System specifications	
Source to Image Distance (SID)	110 cm to 180 cm (43" to 71") provides enhanced radiographic capabilities
Motorized tilting	-90°/+90° for maximum flexibility in fluoroscopy applications and room planning
Minimum table top height	62 cm (23") facilitates easy transfer and positioning of patients especially with limited mobility
Patient capacity	Up to 284 kg (626 lbs) in all movements combined with a large table top size allows for bariatric examinations
Scan range without table-top movement	203 cm (79.9") enables examinations without repositioning for increased patient comfort
Convenient functions	
Auto Grid Selection (AGS) for automatic selection of two grids and grid parking	
Automatic exam-based pre-positioning of the table geometry for reduced exam preparation time	
Optional stitching function for spine and extremity reconstruction	
The tilting tube column mechanism (without mechanical bar) enables tomography and oblique projections in any table position	
Optional vascular imaging e.g. for Digital Subtraction Angiography (DSA) benefits from the large patient coverage range	
Optional reference image display on second monitor	
Detector specifications	
Type	Electronic flat detector based on CsI (Cesium Iodide) scintillator technology delivers high quality digital images
Detector size	43 cm x 43 cm (17" x 17") ensures optimal patient coverage for different exam types including lungs and pelvis
Pixel size	148 µm delivers high spatial-resolution image quality for radiographic exams
Image matrix size	2,880 pixel x 2,881 pixel
Dynamic frame rate	Up to 30 frames per second enables full range of fluoroscopy procedures
Pulsed fluoroscopy	Up to 15 pulses per second for reduced X-ray dose

Fluoroscopy procedures benefit from the large active area of the detector that allows visibility of large anatomic regions without repositioning

The flat panel detector delivers high spatial-resolution image quality for all your radiographic examinations

Site Planning



1 Remote Controlled Table
2 Dynamic DR Control Room Monitor
3 Examination Room Monitor with Trolley (optional)
4 Generator Control Console
5 Table Control Console
6 Dynamic DR Workstation Keyboard and Mouse
7 Dynamic DR Workstation Cabinet
8 Generator Electronic Cabinet
9 Electronic Cabinet

The state-of-the-art Juno DRF is manufactured by Villa Sistemi Medicali (VSM) and distributed by Philips Healthcare.

Please visit www.philips.com/fluoroscopy

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