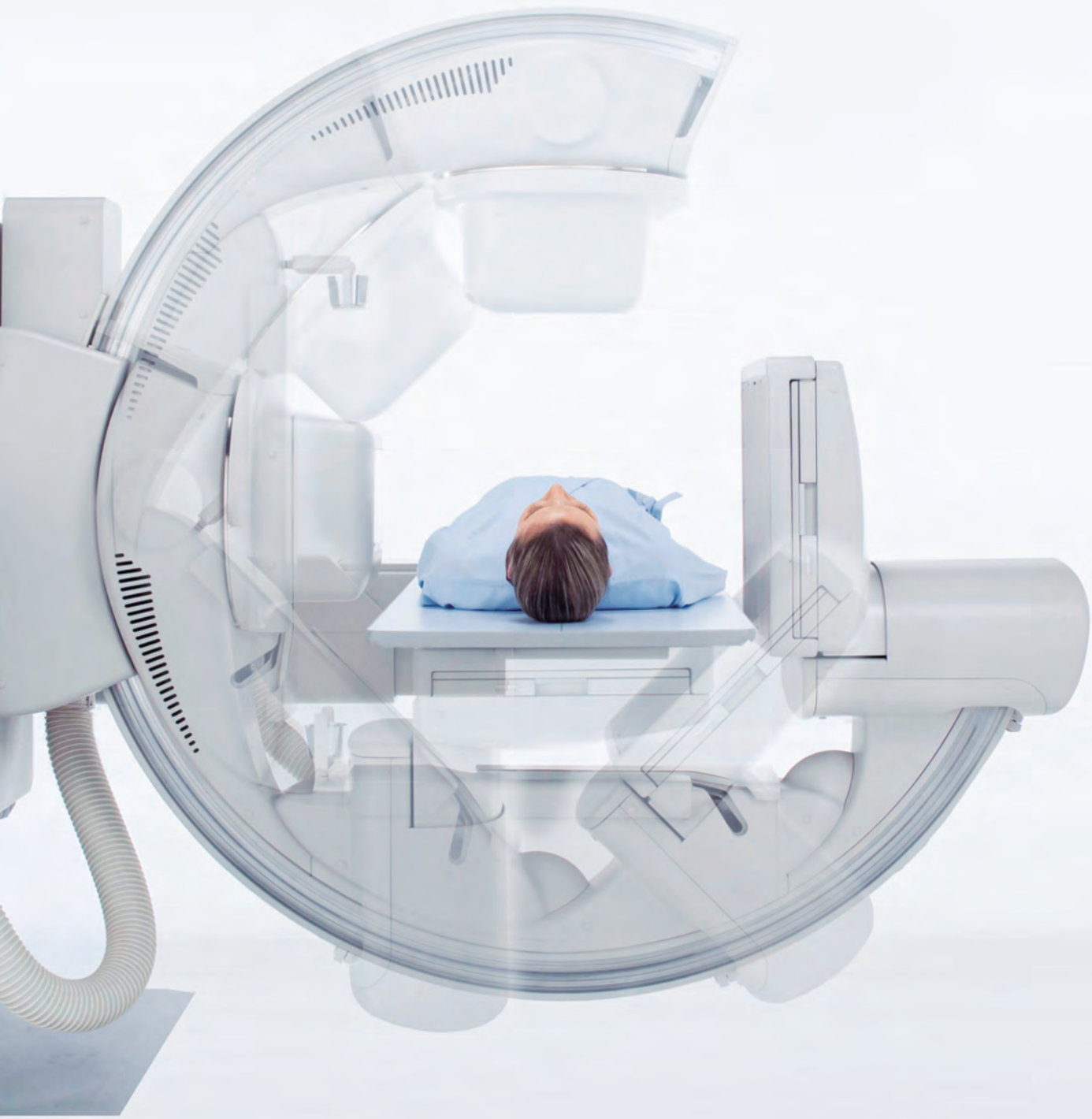
Canon



Ultimax-i

Truly flexible to meet
your clinical needs



Adapting to meet your needs

- ✓ Flexible
- ✓ Fast and responsive
- ✓ Excellent image quality
- ✓ Designed with ergonomic efficiency
- ✓ Equipped with dose management tools

Ultimax-i



Three systems in one
Angio + RF + DR

In a healthcare environment that increasingly requires doing more with less, Canon Medical's Ultimax™-i multipurpose flat panel detector (FPD) system delivers. The adaptive Ultimax-i multipurpose system is able to perform digital radiography, fluoroscopy, and basic angiography examinations from within a compact R/F space. Its multidirectional C-arm and adjustable tilting table enables clinicians to prioritize safety and efficiency. The Ultimax-i multipurpose system adapts to meet your needs so you can image without compromise.



More positions, more procedures, more possibilities



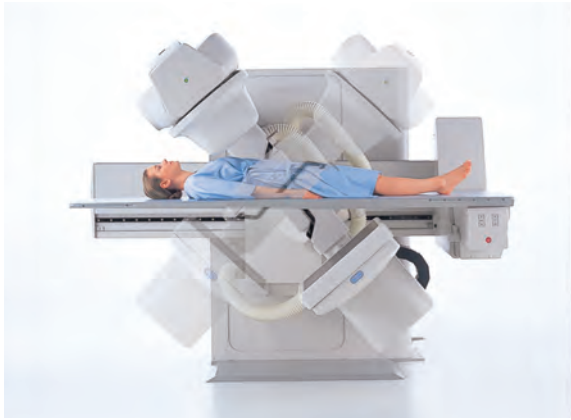
The lateral C-arm movement provides head-to-toe coverage of 6.75 ft of movement with a 17" x 17" FPD and achieves angulations that only a C-arm can provide.





The C-arm has an oblique rotation of 131° in both posterioranterior (PA) and anteriorposterior (AP) orientations, taking you into the next dimension of image acquisition.

CRA 45º



CAU 45º

Cranial and caudal angulations up to 45° in both PA and AP orientation are available with an automatically adjusting source to image-receptor distance (SID) range when in PA position.*

*Automatic adjusting SID image works only in PA position.

Reposition the system, not the patient

Prioritize patient and operator safety and comfort by utilizing the multidirectional C-arm and height adjustable tilting table to keep the patient in a single stable position.



The large patient opening up to 27" and extra wide 24" table top, which is able to accommodate up to 500 lbs horizontally, makes it possible to provide imaging services to a broad segment of the patient population.



The transverse movement of the table combined with larger FPD and flexible C-arm allows the system to work around the patient while focusing on specific areas of interest.



The height adjustable table has a range from 20.5" to 51" which allows for easy patient transfer and adjustable working height.



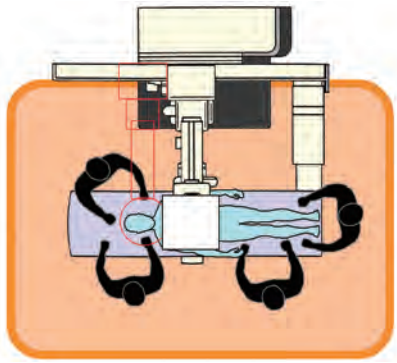


Improve staff and patient safety with low-to-the-ground transfer positions. The adaptable Ultimax-i table can be tilted +/- 89° horizontally or vertically, making it ideal for elderly and wheel chair bound patients.

Flexible patient access and coverage



The table and C-arm both adjust to allow for full access to the patient from the front and rear of the table, providing an ideal situation for the clinical team during simple to complex procedures.



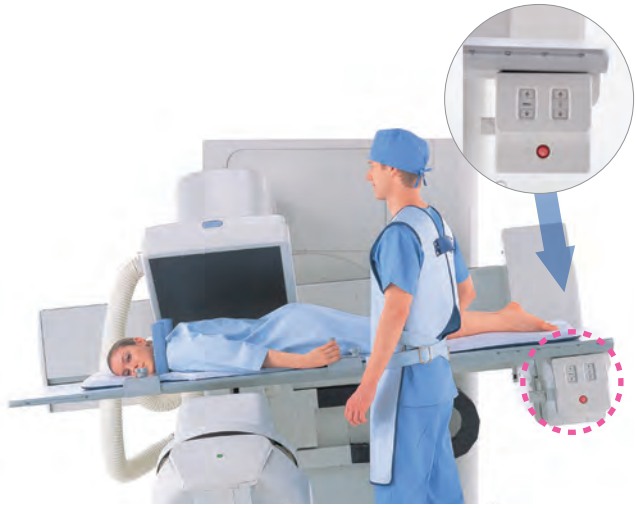




The SID range of 34.6" - 48.4" can easily be adjusted from the front of the FPD.



The ability to adjust the patient level relative to the X-ray beam allows users to image without compromise.



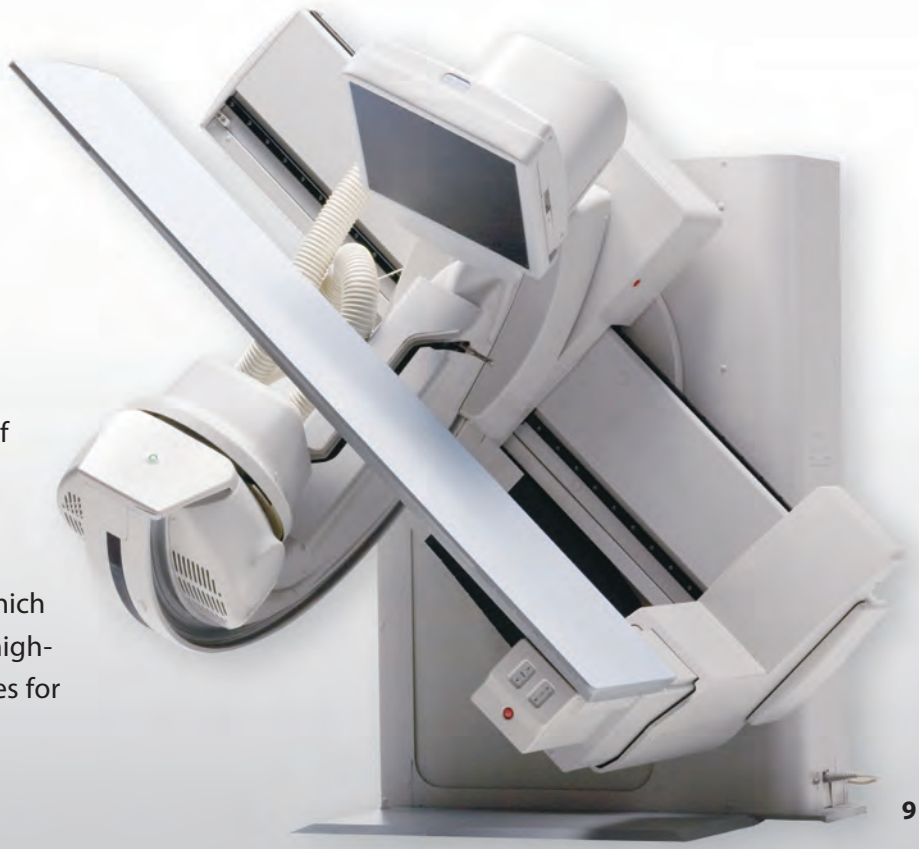
The adjustable working height of the entire system and the isocenter level can be controlled from the tableside.



Optional tableside controls put the operator in full control of the system from the side of the patient.



The optional compression cone can be utilized with either the C-Arm in AP or PA position.



The large 17" x 17" FPD is the foundation for flexibility. The detector provides four field of view (FOV) levels, a fine pixel pitch of 148 microns, and a large dynamic range of up to 65,536 gray levels (16 bits), which ensures more coverage and high-resolution imaging capabilities for improved visualization.

Putting the power back in the operators' hands

The system comes standard with a mobile local control console and an identical remote control console for the control room. A one-touch master control enables functions to be selected from that particular console.

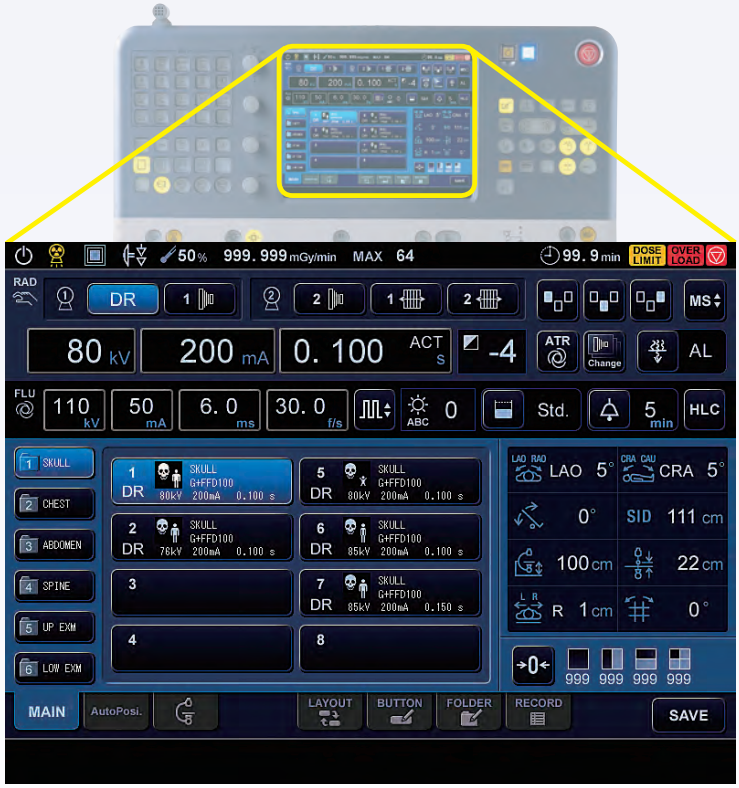






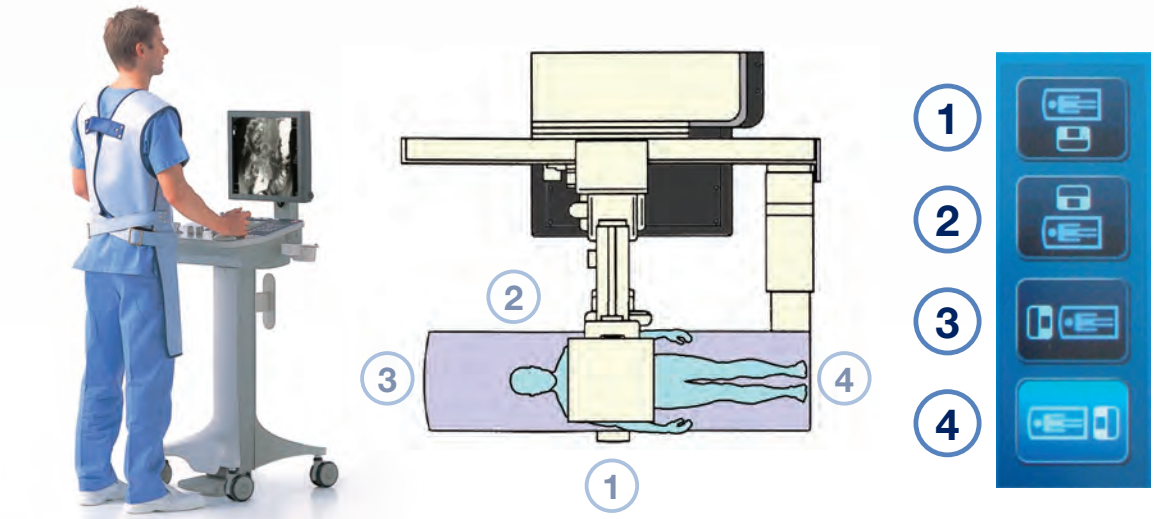
Optional monitor
for local control console

Integrated touch sensor screen



- Easy operation
- Exposure condition settings

When using the in-room control, the user simply confirms the operating position relative to the patient table. C-arm control and image display are automatically coordinated.





Auto-positioning setting



Table speed setting

Different interactive touchscreens are displayed for specific functions and procedure types.



Anatomical programmed control (APC) for digital radiography (DR) setting



Intuitive postprocessing mode

Study Mode – Advanced Image Processing



- Setting sequence & IQ parameters
- Postprocessing
- Printing
- Archiving to DICOM storage
- Exporting a data to disk drive

Archive Mode – Used to review complete examinations

Filming Mode – Used to set the film format



DR

The Ultimax-i meets the highest standard of flexibility and advanced image processing as a DR unit, including the capability of 3072 × 3072, 16 bit, imaging.





Arthrography

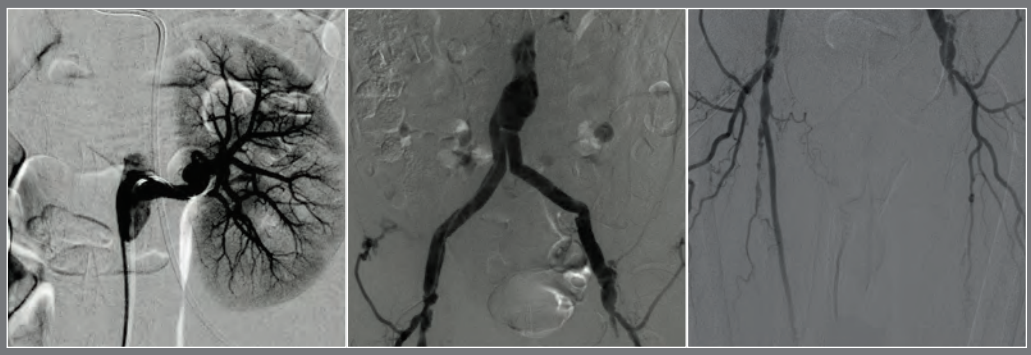
The Ultimax-i provides a complete solution for these procedures as it does for a wide range of routine angiographic procedures.





Angiography

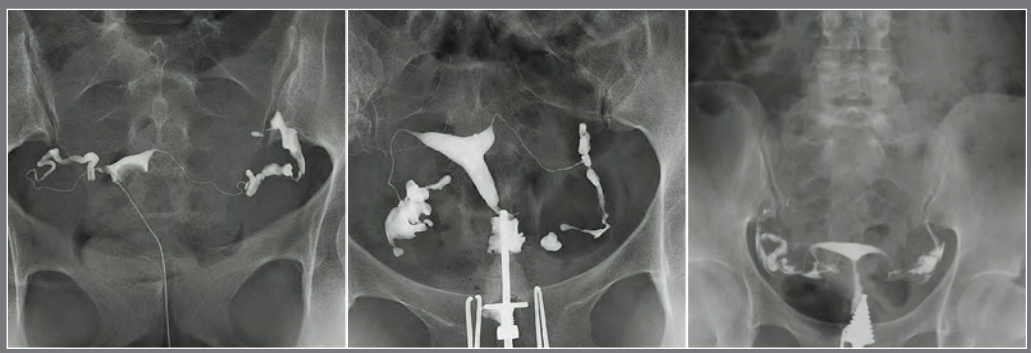
The Ultimax-i multipurpose system provides the performance and flexibility of a dedicated, routine angiographic system.





Cystography & Salpingography

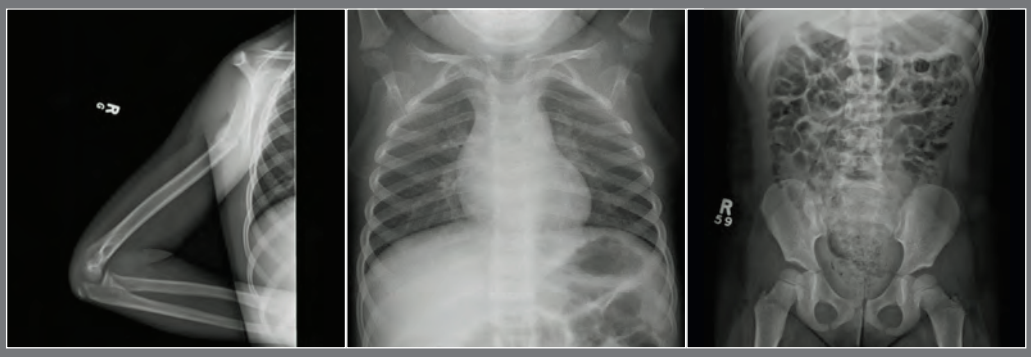
The clean table design and dedicated accessories make the perfect substitute for a dedicated cysto unit.





Pediatric DR

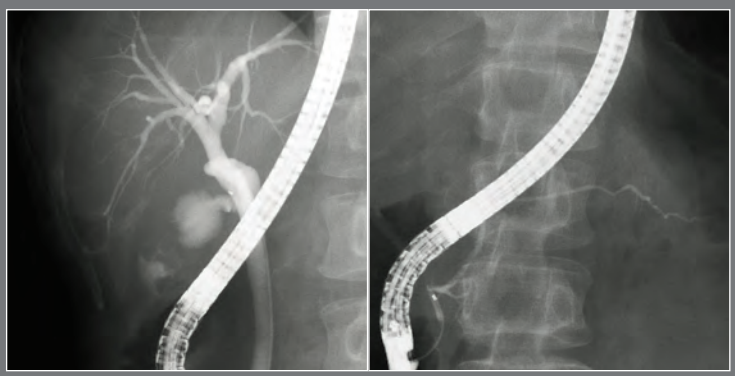
With dose management features like a removable grid, the system enables clinicians to obtain optimum image quality at reduced dose.





ERCP

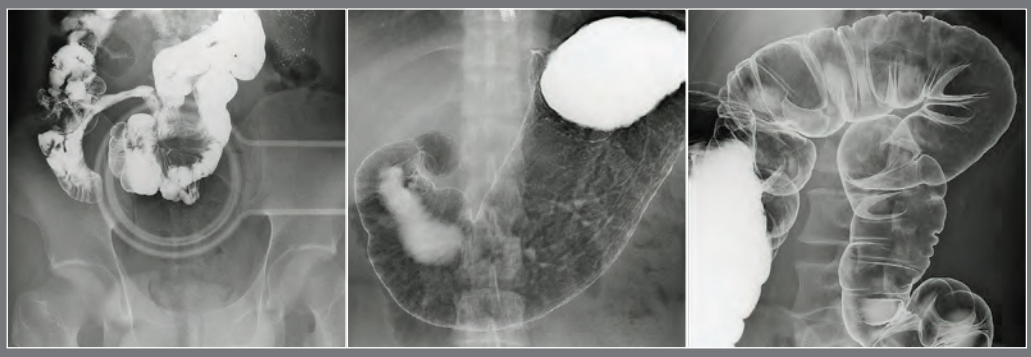
The table and C-arm both adjust to allow for full access to the patient from the front and rear of the table, providing an ideal situation for the clinical team during simple to complex procedures.





G.I. Studies

The Ultimax-i provides uncompromised coverage of the large bowel and remote control of the optional compression cone in PA or AP orientations.





Venography

It is easy to track the contrast media real time and acquire images when most appropriate.



Optimum image quality at reduced dose

The A-DCF (Advanced Digital Compensation Filter) and SNRF (Super Noise Reduction Filter) further improve fluoroscopic image quality.

The A-DCF provides real-time enhancement of fluoroscopic images to obtain optimum image quality under the most difficult circumstances.

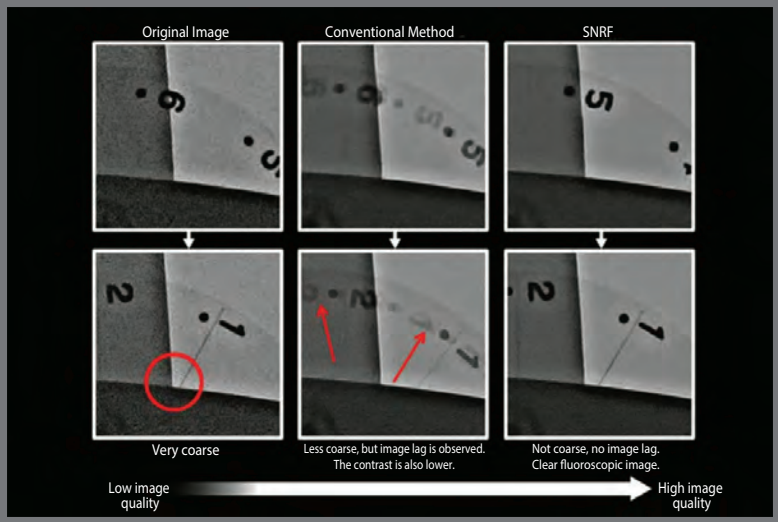


A-DCF OFF



A-DCF ON

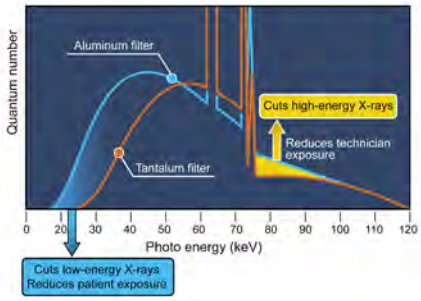
SNRF enables clinicians to achieve significant noise reduction while maintaining high temporal resolution.



Dose management tools

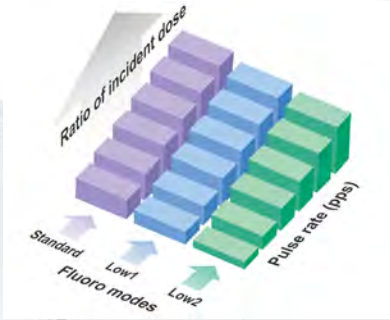
Digital image acquisition and processing for quick handling, editing and storing of images.

Tantalum beam hardening filter reduces low- and high-energy radiation to reduce the patient's skin dose and the scattered radiation dose received by the operator.



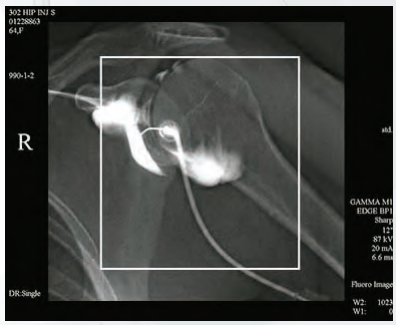
Three variable dose modes allow fluoroscopy dose to be switched to 100, 60, or 40 percent, according to the required exposure dose with just the push of a button.

Grid pulse fluoroscopy lowers patient dose by reducing X-ray exposure that doesn't contribute to the diagnostic image.



Prospective and retrospective fluoroscopic recording can be selected for acquiring high-quality fluoroscopic images using SNRF.

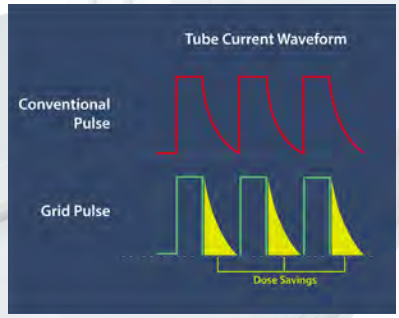
Prospective and retrospective fluoroscopic record/store can be used to replace digital acquisition (DA), resulting in significant dose reduction.



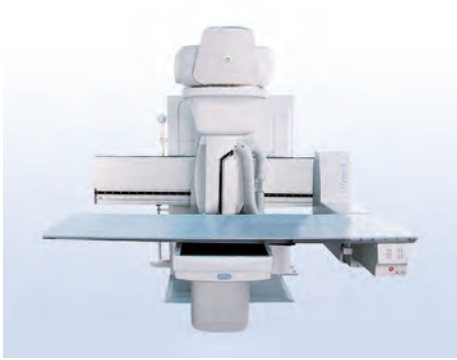
Last Image Hold (LIH) displays the last fluoroscopic image for review without further exposure.

Virtual collimation lets you position the collimator using LIH without fluoroscopy use.

Removable anti scatter grid can be utilized during sensitive, low-scatter situations.



Remote control console can be utilized to minimize exposure to the operator by running the system safely from the control room.



Ultimax-i

Accommodate complex procedures by providing routine angiography lab capabilities within an R&F space, maximizing clinical efficiency.

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