The Dornier

Opus II UIMS

Urology Imaging System
The Opus II UIMS is a state-of-the-art urology imaging system with advanced DICOM and patient data management capabilities. With superior patient access and the smallest footprint in the industry, this system permits installation in very compact rooms. Patient and staff safety are enhanced with the design of the stationary table top which allows the imaging system to move about the patient, while at the same time providing a unique over scan feature for procedures such as brachytherapy.
The unique patient centric design of the Opus II UIMS provides increased imaging flexibility and enhanced patient safety. The imaging chain moves laterally and longitudinally, while the table top remains stationary.

Additionally, the imaging system provides extensive image intensifier travel ranges that scan past the edge of the table at either end. This results in an imaging range of the entire urological tract as well as an industry leading zero bladder cut-off feature, ideal for brachytherapy procedures.

Supporting 227kg (500 lbs.), the table and imaging chain movement are unparalleled in the industry. The system provides not only +/- 20 degree Trendelenberg capabilities, but also a symmetric +/- 90 degree rotation.

Treatment set-up is quick and easy using the anatomical and table position memory capabilities and power assisted X-ray tube.
**Flexible Display**

The high resolution images are displayed on flat panel LCD monitors. With the flexible articulated arm, the monitors can be easily moved to either side of the table and in a variety of positions for optimal viewing. Last image hold and full-frame image capture are also supported by the system.

Images can be enhanced by utilizing a full complement of imaging tools including automatic frame averaging, image reversal, zoom and roam, text editing, electronic collimation – and more.
Access

The Opus II UIMS allows the urologist, anesthesia, and staff to remain in close proximity to the patient at all times. The system is designed with extensions that provide excellent access to the patient with no obstructions below the working area.

Both the physician and anesthesia can remain in close contact with the patient without worry of personal discomfort during table movements. This is especially true when configured for pediatrics.

Additionally, the system offers an isocentric tilt feature that keeps the edge position of the table constant during rotation of the table; therefore eliminating the need for urologists or anesthesia to readjust their position when the table is moved.
Multifunctional

The Opus II UIMS is designed with a narrow center column and exchangeable extensions to provide access to all sides of the table.

When combined with the special High Access Extension, patient accessibility is further enhanced allowing alternative procedures to be performed. Imaging is possible through the entire radiolucent carbon fiber table top and the electrostatic pads make procedures requiring electrocautery possible.
Opus II UIMS

Engineered with the Patient in Mind

Easy Patient Transfer – Low Table Height

Patient loading is simple with the special “Park” table position. The table automatically adjusts to the lowest table height and simultaneously retracts the X-ray tube facilitating easy transfer from a stretcher. Ambulatory patients can easily walk up and sit on the table.

Easy Table Clean-up

With a single piece table top design, clean-up is fast and easy on the Opus II UIMS. Simply lift the table pad to wipe down the table surface. Since the table top is solid and stationary, there is no risk of fluids or contaminants remaining in crevices of the table.

Anti-collision

A special anti-collision sensor detects objects in the system’s path when being lowered, creating an audible alarm. The system’s movement is designed to automatically stop and thereby avoid potential injury to personnel as well as equipment.

Treatment Flexibility

Lightweight, carbon fiber table extensions make exchanging the leg and head sections effortless when configuring for a right or left hand set-up.
A Complete Solution

UIMS combines imaging technology with advanced data management and connectivity functionality to create a comprehensive workstation. Designed with an urology specific platform, UIMS is available on all Dornier premium lithotripters and urology tables. Comprehensive DICOM capabilities are available including Print, Store, Query/Retrieve and Worklist as well as Multi-Modality image support, enhancing the flexibility of the system. Additionally, the display supports live feed of video images from ultrasound.

Networking Advantage

The Opus II UIMS can be integrated into any hospital or clinic network via the DICOM Interface. The connectivity flexibility combined with comprehensive DICOM capabilities which include Worklist optimizes the system’s functionality while streamlining workflow.

Integrated Functionality

Treatment and display parameters are easily adjusted through the integrated design of the X-ray and imaging systems. This feature permits modifications of the X-ray controls at the workstation or via the table hand control. The system also records radiation exposure during treatment.
**User-Friendly Design**

The familiar windows based graphical user interface is intuitive and easy to use. The system allows direct interaction with all functions, including image and data management from the console and select options using the footswitch. Treatment set-up is simple using one of the pre-defined or programmable protocols.

Customizable features, including footswitch functionality and information display, allow the user to tailor the system for individual needs.

**Imaging Flexibility**

The imaging system captures high quality images that are displayed on LCD flat panel monitors. Both live and stored images can be adjusted manually or through one of the automated features to optimize image quality. Features include auto window, image reversal, automatic frame averaging, electronic collimation and full frame capture.

**Image Archival & Print**

Images can be converted to a variety of formats and exported to a hospital PACS system, DVD, CD or memory stick. More than 50,000 images can be stored to the system’s local hard drive for later review.

High quality images can be printed on film or paper using a network or local printer. A separate print preview feature allows the operator to select the desired images and layout.
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*The Design and Optional Accessories of the Opus II UIMS Make this System a True Multifunctional Workstation.*

A variety of accessory shelves are available to optimize room space and accessibility.

With a simple attachment to the T-rail, the gas spring designed knee crutch or boot stirrups offer a wide range of motion. Pediatric stirrups, sized ideally for children, are also available.

The flexible drain bag assembly remains affixed to the table with the leg extension in place reducing operator setup time. Elbow rests can be attached to the assembly providing comfort and support during procedures.
Optional digital printers are available in a variety of formats.

Urodynamic studies can be performed using the micturition seat or stand. The micturition seat comes complete with leg supports and arm rests. The micturition stand can be adjusted to multiple heights to ensure optimal imaging.

Optional digital printers are available in a variety of formats.