

## Accogent **Urovision HDR**

### **UROMAT 3000 w/HDR Vision Digital Surgery Suite**

- » Cantilevered, continuously adjustable and tilting patient table, with isocentric design.
- » Can be positioned anywhere in room or next to wall
- » Free access to patient
- » Can be operated with the manual control unit or multi-function footswitch
- » Memory function for automatic return to saved positions, microprocessor control system
- » The carbon-fiber patient tabletop has a low Al content
- » Scanning field up to a maximum of 1100 x 660mm
- » AEC chamber and grid
- » Lift capacity 500lbs
- » Lifts from 56.5cm to 121.5cm
- » Tilts from -20 degrees Trendelenberg to +88 degrees upright
- » Detector and tube Longitudinal auto-tracking of 130mm
- » Tabletop longitudinal movement +/- 24cm
- » Tabletop Transverse movement +/- 13cm
- » 3 programmable auto-positioning positions
- » Transverse tube arm for easy patient access

### **43x43 Dynamic Flat Panel Detector**

- » Large format 17" x 17" Cesium panel
- » Up to 30fps in RF fluoroscopy mode
- » Spot shot of close to (2,880x2,880) 9mm pixels
- » Csi Scintillator
- » 148µm pixel size
- » 17x17 array
- » 2880 x 2880 pixels
- » 16 bit AD conversion
- » Detector dimensions 20" x 20.3" x 3.19"
- » Air flow cooling

### **600 KHU X-ray Tube**

- » 4" anode
- » 0.6 / 1.2 focal spot
- » 12 degree anode
- » Rhenium-Tungsten Molybdenum target
- » 40KW small / 100KW large

### **65kw RF Generator**

- » High Frequency: 200 kHz +
- » kV (Radiographic): 40-150 kV
- » kV (Fluoroscopic): 40-125 kV
- » mA Range RAD: 10-800 mA
- » mA Range Fluoro: 0.5-10.0 mA
- » Timer range: 0.001 - 6.3 sec.
- » AEC
- » High speed starter
- » Kerma compliant

### **Workstation**

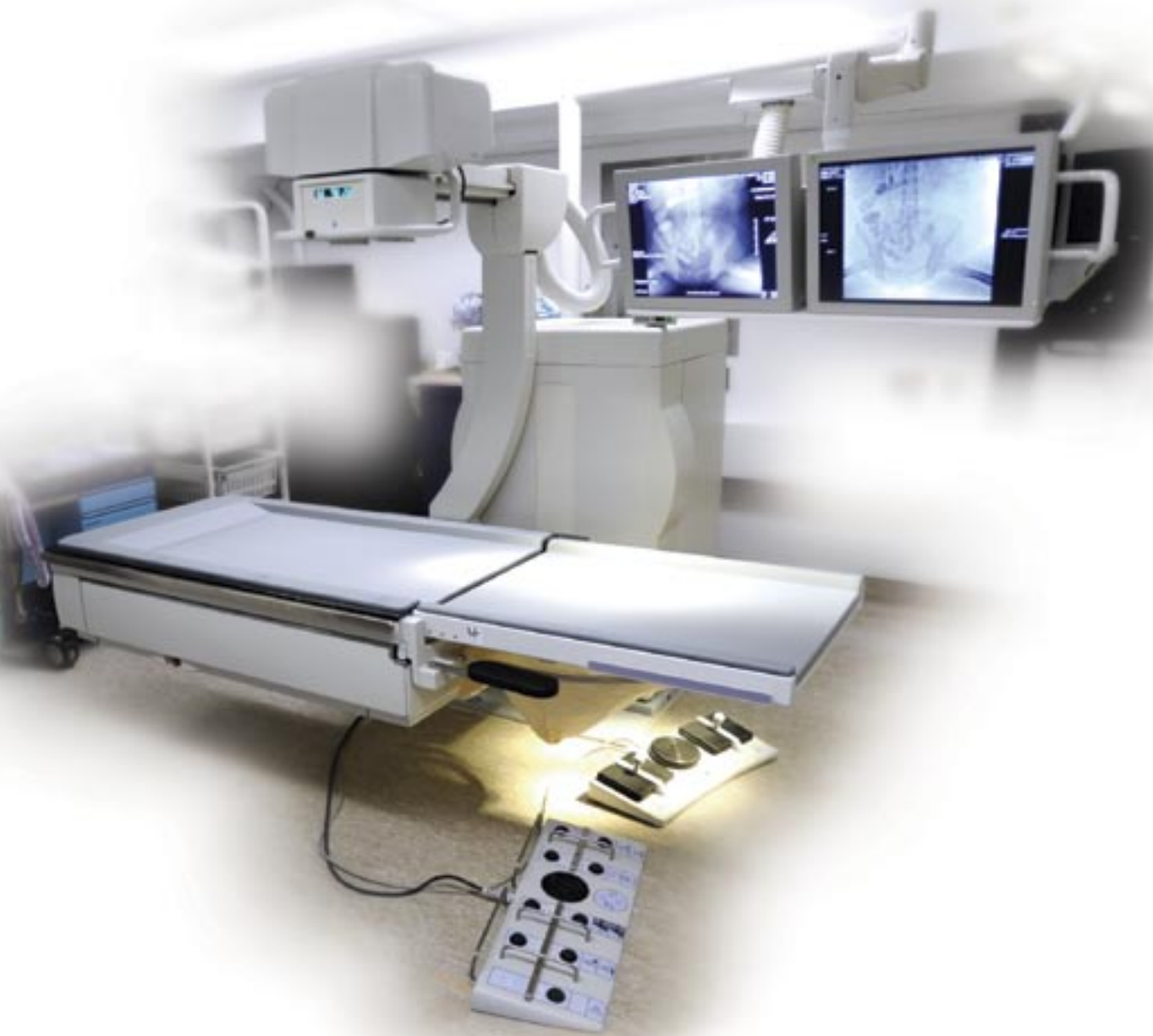
- » Single 22" touch screen monitor
- » Comparative image selection and magnification
- » Full capabilities in DR sequencing, Fluoroscopy and DR spot imaging.
- » Simultaneous display of past images with current procedure images.
- » One touch system power up.
- » DICOM 3.0 compatibility
- » Standard 1.3M b/w monitors

### **Accessories**

- » 0900 1710 tabletop mattress pad
- » Dual panel monitor arm
- » Leg stirrups
- » Arm boards and handgrip
- » Drain bag
- » Full surgeon control foot switch
- » Remote workstation cart
- » Video switch with color monitor

**Urovision HDR** is the most advanced Urological Table in the world. It features state of art 43 cm x 43cm (17"x17") Flat Panel Digital Dynamic Imaging Panel which gives the operator the largest viewing field available. What this mean is that there is virtually no need to move the patient during Fluoroscopy or Radiography of the patient. The Urovision HDR is your gateway to the future.





The table design features a unique and patented lift and tilt mechanism to ensure the most fluid movement of any desired positioning during patient examinations.

With the addition of dual foot controls, the operator has complete control of all imaging functions as well as ancillary modalities such as endoscope or ultrasound plus full control of all table motion functions.

#### The Urovision Table

The Urovision is designed to help the operator by having the patient loading and unloading positions stored in the system and callable with simple operation from the table hand control. In addition, all operator function are available on the 2 multi function foot Switches. The full range of table tilt motion enables proper positioning for urology procedural work.

By moving from a large and bulky image intensifier camera system to a sleek flat panel detector you also reduce you lowest access height to 22" giving it industry leading patient access. Ideal to apply anesthesia locally to bariatric patients who can walk up to the table and self position with lower access height.

#### ADVANTAGE: Vision HDR

The Urovision is the latest dimension in surgical imaging the offering a true 17x17 (43cmx43cm) dynamic flat panel and spot imaging area experience. True DR high resolution spot images create increased flexibility throughout your facility. Bringing the capability of what would be traditional pre-op full field radiographic imaging traditionally done in the radiology into the surgery room. Streamlining scheduling between radiology and the operating room creating a new level of convenience and timely reference image quality for physicians and operating room staff.

When combined with DICOM and RIS network capabilities, your surgical room and operating room department will work in perfect concert with radiology and hospital networking.

The work station can be located in the control booth or on an available mobile work station cart. From this command center the operator can control the complete patient management operation.

#### The perfect compliment to your existing C-Arm capabilities

The Vision HDR experience allows you handle any business that comes through the door. The added dimension of full field (43cmx43cm) imaging needed to image areas the size of the full urinary or gastric tracts gives an unparalleled ability and convenience to identify the smallest of artifacts and perform procedural work. Vision HDR gives your operating room the added boost of performance to do necessary procedural work conveniently outside of your C-Arm smaller image size capabilities that require you to reposition you image camera to record an area comparable to 43x43cm.

Utilizing a detector tube tracking motion of 13cm combined with a motorized floating tabletop the Vision HDR system can at the touch of a button effortlessly and fully scan the entire chest cavity with full DR and fluoroscopic capabilities. Multi modality solution are complicated and don't deliver such robust imaging capabilities. Vision HDR delivers a simple but robust image conveniently with a simple table modality.

Vision HDR also has an approved applications for use that encompass lymphography, endoscopy, myclography, venography, pediatrics, arthrography, interventional radiology, digital angiography and digital subtraction Angiography. Making it one of the most versatile approved surgical system in the market opening up the room for a variety of approved workflow use.

Utilizing the latest technology in flat panel detectors you can be assured your operating room will maintain its ability to perform Urological and Gastro procedures that require large field imaging so take full advantage of image quality and convenience of full 43x43cm imaging. As the rest of your facility moves from non network integrated CCD and Image Intensifier camera based modalities to flat panel detectors and DICOM and RIS workstations your Vision HDR system will be a future assured operating room system of tomorrow available today.

#### The Vision HDR Table Features

- » Worklist down load and Urgent patient Modalities
- » Surgeon Preference Memory
- » Image magnification and Zoom markers
- » Choice of Pulsed or continues Fluoroscopy
- » 17"X17" (43cm X 43cm) Image Capture for Fluoroscopy and Radiographic imaging
  - » For the largest urinary tract area capture
- » Local backup for Fluoroscopy of the imaging procedure
- » Ability for the Surgeon to view other modalities on the overhead monitor
- » Table top lifts up for east cleaning.

#### X-ray Generator Features

- » Standard 65 kW capacity or 80 kW both are super high frequency generators
- » Complete integration and operation from the work station
- » ABC Automatic Brightness control of the Fluoroscopic Image
- » AEC Automatic Exposure control of the Radiographic Exposure



Optional color monitor with an endoscopy video switch



Drain bag



Hand controls



Leg holders



Optional remote workstation cart

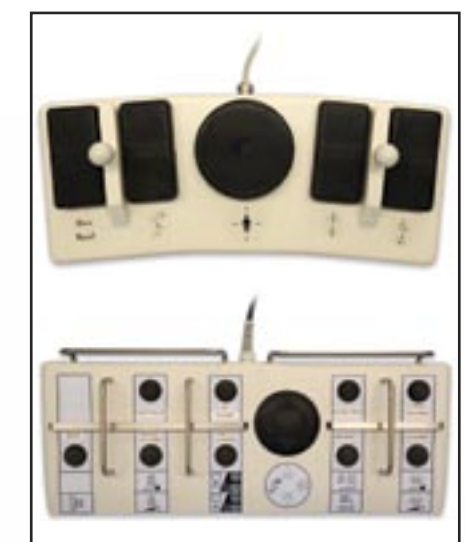


Photo booth foot switches