DESCRIPTION

Shimadzu SONIALVISION™ Versa
Universal RF SYSTEM with Single DR Detector
Canon CXDI-70C Detector
Configuration FED-SSV-RF16-1W

Universal Tilting / Elevating Radiographic / Fluoroscopic Table with I.I. RETRACTION and the following features:
- 90º vertical to 90º Trendelenberg with continuously variable speed tilt
- Soft start and stop inverter drive motors
- Maximum tilt speed 6º per second
- Flat 235 X 76.5cm table top
- Carbon fiber reinforced plastic (CFRP) table top for low attenuation
- Grid; 12:1, 60 lines/cm; 120 cm focus
- Heavy duty table design that can accommodate large patients up to 318 kg (700 lb) load at a stationary horizontal table position (with the patient stationary and lying horizontal)
- 450 lb patient capacity with ALL motions guaranteed
- Lateral Table top movement:
  25cm Lateral movement for peripheral studies
- Longitudinal Coverage achieve by moving Imaging Chain & Not Patient.
- Vertical table top movement:
  ZS-100iR(16" II) 74cm to 110cm ; (12" II) 63cm to 110cm

All Digital Carriage, without SPOTFILMER. Enables the following:
> Improved image quality
> X-Ray dose reduction
> Enhanced I.I. field of view (closer to patient)

- Control Console (without Desk) for Remote operation with integrated controls for the Shimadzu digital system and generator functions including:
  - Image reversal (black/white, left/right, up/down)
  - Fluoro image record
  - Print function
  - Multi-image display (1, 4, 16 frame selection)
  - Multi-function Shuttle Dial (selection of any reference image, window center/window level adjustment)
  - Pulsed Fluoro selection (option)
  - APR selection (up to 7 items selectable)
  - Fluoroscopic timer reset
  - Film Density selection
  - Memory Shot
  - Motor driven Compression Cone

QUANTITY	DESCRIPTION		

	- BOLUS CHASE Table Movement Select Function
	- 4 field ION Chamber for AEC
	
	• Choice of mounting for Console
	  - In Counter kit (Preferred)
	  - Roll Around Cart
	  - Desk top housing.
	• Standard cassette tray (18X24, 24X30, 30X40, 35X35, 35X43 cm)
	• 14" by 17" Tray with Fluoro thru hole
	• Intercom between control room and exam room
	• Standard Accessories:
	  - Footrest
	  - Shoulder rest
	  - Footswitch
	  - Compression cone-motor driven
	  - Hand grips
	  - Upper Hand rail
	  - Table top pad
	  - Barium Cup holder
	• Compact and ergonomic design allows mounting only 4" from back wall
	
	Integrated Tube Arm features:
	
	• Compact, integrated Tube-Arm with selectable 1.1, 1.2 & 1.5 m SID
	• Design allows for installation in a 107 square foot room with a 9' 4" recommended ceiling
	• True multi-functional capabilities for R/F, angio and interventional procedures
	• Tube Arm travel: 142 cm for ZS-100iR
	• Patient coverage of 182 cm [72 in] for Head – to – Toe Coverage
	• Tube Arm speed : 15cm/second continuously variable
	• Tube Rotates + 90 deg, -180 deg (motorized for stretcher and wall bucky work)
	• Tube Oblique Beam Angle +/- 40 deg for Cranial – Caudal projections
	• 53cm space between gantry and table for improved patient access
	• Easy patient access from either side of the table
	• Automatic Iris Collimator
	• Integrated Linear Tomography to Film Cassette, CR or Image Intensifier
	  ○ Sweep angles 40°, 30°, 20° & 8° in either fast or slow speeds
	  ○ 40° sweep in 1.5 seconds Fast speed
	  ○ Layer height 0-25 cm above table top
	  ○ Programmable stepping increments for multi-slices; (.5, 1.0, 1.5 & 2.0 cm)		

	QUANTITY	DESCRIPTION		

o Tomography at any tilt angle; (Weight bearing knees)

500 pound patient capacity option.
- All motions at 500 pound rating.
- 700 pound static table horizontal capacity
- 5° per second maximum tilt speed.

Lateral Cassette Holder

Local console for Sonialvision 100
- Foot switch; Fluoroscopic
- Joystick controls for table movements
- Digital workstation controls

16" Image Intensifier
Latest generation, high performance, 40cm (16") Quad-mode imaging
- 40cm(16")
- 30cm(12")
- 23cm(9")
- 19cm(7.5")
- Active Magnetic Shield

Diamentor K28 VDE/UL Approved Dose Monitoring Device
- DiaCom Cable
- Cable A30a
- Power Supply
- Serial Cable DIAMENTOR – Display (20MT)
- Rectangular dose chamber
- External Control Unit

Radiographic / Fluoroscopic High Frequency (UD150B-40-UL) Inverter X-Ray Generator with the following features:

- High Frequency, 50 kHz, Inverter
- Microprocessors Controlled
- Touch panel with EL display
- Advanced Anatomical Programming with 400 programs
- Two-point (kV / mAs) and three-point (kV / mA / t) manual techniques and manual AEC / APR override capabilities
- **80** kW Radiographic Rating

- Radiographic kV/40 - 150 kV Continuous
- Radiographic mA / 10 - 1000 mA
- Time Selections / 0.001 - 10 seconds
- Detailed Exposure Factor setting with 12.5% increment exposure time or mAs.
- Fluoroscopic kV/50 - 125 kV Continuous
- Fluoroscopic mA / 0.2 - 4 mA
- Fluoro brightness stabilizer
- Fluoroscopic timer
- High speed rotor starter
- Exposure counter
- Anode heat calculator
- Under table x-ray tube
- Compact, space saving control console, desk or wall mount
- Two X-Ray Tube compatibility
- Interconnecting cables
- AEC (Photo timing)
- Requires 480 VAC, Three Phase Power

DAR-8000i Digital Fluoroscopic System with the following features

A CCD camera of 1,000 pixels is adopted. All interfaces are digitized so that stable images of high quality without deterioration for the analog images can be realized.

- Image acquisition at high speed (Maximum 15 frames per second, according to the combined R&F table) at 1k x 1k matrix is realized.
- Clear fluoroscopy images and sharp radiology images are offered by diversified image processing including noise reduction, edge enhancement, and Auto Image Optimization.
- Acquired images are saved on a high speed image disk on the real-time basis and displayed immediately after the acquisition is finished. Up to 10,000 frames can be saved on the disk. Previous data can be retrieved easily because the data is managed for each patient.
- Because the menu on the monitor can be operated directly by the mouse and the keyboard operation, it is possible to operate it intuitively and easily.
- The patient information and the radiology condition can be registered in advance. Radiography can be performed by only selecting a registered program, so examinations can be performed in a shorter time.
- Images can be saved in the DICOM format on a CD-R as long-range storage files. The images can be saved in a small media of reasonable price, and this media is economical and portable.

QUANTITY	DESCRIPTION		

Acquisition:
- Real-Time automatic image optimization
- Auto-system calibration keeps images looking their best
- Customizable fields for faster examination setup
- Acquisition up to 15-fps

Fluoro:
- Fluoro-loop most commonly used with video swallows
- Expanded Edge Enhancement for incredibly sharp images
- Last image hold or real-time fluoro store
- Real-time roadmapping
- Integration with motion correction
- Pulsed Fluoro (generator dependent)

Processing:
- Customizable fields allow examination settings to be pre-programmed to individual doctor's specifications making for one-click exam setup
- Instant access to images on-line
- Pulsed fluoroscopy; reduces motion artifact and x-ray does. 30, 15, 7.5, 3.75 fps
- Real-time noise reactive edge enhancement. Provides clear edge display regardless of image noise
- Motion detective noise reduction. Effectively filters noise and incorporates motion correction by recursive filtering
- Window & center control, gray scale inversion
- Gamma curve selection
- Horizontal (right / left), vertical (up / down), image flip
- Electronic cropping (auto / manual). Electronic masking for unnecessary data to create easy-to-see images
- Annotation and pre-set glossary
- Zoom & scroll
- Multi-frame display; 16 and 4 with study / series overview
- Cine-display, a series of radiographic images can be displayed on the monitor continuously at 15 fps
- DICOM Print, Storage, and Modality Worklist

18" High-Resolution Grayscale Flat Panel Display Monitors (2 ea)

600KHU X-Ray Tube
- G-292, 0.6 x 1.2 mm focal spots
- 12 degree target angle
- B-130 housing
- Trunnion Rings CN132
- Air Circulation Fan CN192

CH-200M Overhead Ceiling Tube Suspension Package
- Fixed rail 4.0 M

	QUANTITY	DESCRIPTION		
		• Traveling rail 2.6M • R-20J (UL) collimator for Ch-200M • High tension cables 22M • 06. x 1.0 P324DK-85 X-Ray Tube (R-stator)		
		DAP Mounting Kit(UL, VAC) **VacuDAP Dose Area Meter VacuDAP2004 OEM(for Rad)**		
		Flat Panel Display Ceiling Suspension • Mobile gantry and counterbalanced swing arm with 42 inch sweep radius, 25 inch vertical travel and +180 degree rotation • Ceiling rails 8 foot 10 inch • Flat Panel array with +180 degree rotation • Array includes 1 display panel mounts with +10 degree tilt		
		BR-120M Wall Bucky Film/CR with the following features: • Poersch HD size non-sensing tray • Grid; 103 line per inch (40 lpc), 10:1, 40-72” • Interconnecting cables • 3 field AEC pickup		
		Frontal Grips for BR-120M		
		Overhang Handgrip for BR-120M		
		Center Mount Acrylic Shield 60 x 80cm with cutout Shield 40 x 50cm Glass Window		
		TIMS 2000 DICOM System – SMS 17" LCD Display		
		CXDI-70C Wireless Digital Radiography Detector Wireless portable digital detector 14" x 17" full imaging field Sensor weight: 7.5 lbs Sensor size(WxLxT): 384 x 460 x 15 mm ISO4090 cassette compatible Amorphous Silicon Sensor (a-Si) CsI scintillator 125 micron pixel pitch 9.5 million pixels (2800 x 3408) 12 bit / 4096 gray scale (14 bits A/D) IEEE 802.11n Wireless Access point Equipped 2 batteries, 1 battery charger and power box FDA 510(k) cleared Preview image in 3-5 seconds, refresh cycle up to 15 seconds		

QUANTITY	DESCRIPTION		
	DICOM 3.0 compatible, including Print Management Service Class and Storage Service Class Ethernet 10/100 Base T **DICOM modality Worklist Software; v3.0** with offline-online patient download Mobile mode allows storage of worklist to hard drive for access in areas without wireless access Multi-Accession function to perform multiply studies on single Patient Modality Performed Procedure Step (MPPS) Provides status to the MPPS server N-Create and N-Set messages stored on Mobile until network communications is available		
	Installation Dollies Rental		