

648-B61015
VA PORTLAND, OR

Qty	Description
1	Sonialvision G4 Package with Hygienic Smart Column w/Single Panel DR 701C Wireless
1	Shimadzu Sonialvision™ G4 Universal System A new premium R/F system that offers completely superior ergonomic design and highest user confidence. 17x17 inch Large FOV and 139 micron pixel size FPD mean leading-edge digital imaging and fine image quality. Various features of dose reduction and dose management provide an important aspect of radiology imaging. In addition Shimadzu's advanced application of slot radiography provides additional clinical values to patients and staff. The SonialVision G4 will make your x-ray room the most productive and efficient by covering a wide range of x-ray examinations both R/F. as well as, digital radiography. Features include: Ultra high image quality and large field FPD 17x17 inch 139 micron pixel pitch FPD. 17x17" FPD provides the largest imaging area, and 5 selectable FOV (17,15,12,9, and 6 inch) best in market Large Patient Coverage - 79.7 inch (202.5 cm) of longitudinal movement. This is accomplished by imaging

- chain, not table movement Movement at any table angle
- Completely flat Tabletop with no side frames adds to comfort and imaging

Multi-functionality to perform many procedures

- This system has been thoughtfully designed to be ideal for a wide range and variety of examinations, such as orthopedics, general radiography. Barium studies, endoscopy, urology, angiography, pediatrics, and bariatrics.
- Urology mode realizes the unique table tilting with fixing the height of ROI and asymmetric collimation feature to keep the imaging field at the very end of tabletop.

Comprehensive Dose Care

- Grid controlled Pulsed fluoroscopy reduces doses.
- Three beam hardening filters are provided as standard to efficiently remove unnecessary soft X-rays that do not contribute to image quality. The optimal BHF is selected to suit the examination automatically to ensure the lowest dose
- A new auto filtering collimator R-300 has three kinds of beam hardening filters which cut unnecessary soft x-ray.
- G4 has "Dose Eye" collimation which allows the user to collimate even further to the minimum field by Iris collimation and asymmetric collimation.
- On the LIH (Last Image Hold) you can set the collimation for the next fluoroscopy "virtual collimation".
- Grid can be removed to lessen dose in pediatrics or exposure to thin body parts.

Totally Redesigned Digital Imaging Console

- New DR-300 has state-of-the-art digital image processing technology and acquires radiography images while keeping original high resolution matrix.
- The digital unit has integrated system for examination and image processing
- Touch panel console offers essential information which is clearly visible to users making exam execution and completion easier.

SURE Engine Advance (Fluoroscopy and Radiography)

- Sonial G4 has an advanced digital imaging filter which contributes to noise reduction by using recursive filters and software driven image outputs to minimize halation and optimize imaging parameters.

503-78000-22 Universal Tilting/Elevating Radiographic / Fluoroscopic table ZS-200 with the following features:

- 90 Degree Vertical to 90 Degree Trendelenburg with continuously variable speed tilt
- Soft start and stop inverter drive motors
- Maximum tilt speed 90 degrees in 17 seconds
- Flat 235 X 76.5 table top
- Carbon fiber reinforced plastic (CFRP) table top for low attenuation
 - 0.8 mm of AL eq.
- Longitudinal Imaging chain movement:
 - Longitudinal range of imaging chain: 63.2 inches (160.5 cm)
 - Tube Arm speed: 5.9inches/sec (15 cm/sec) continuously variable
- Lateral Table to movement:
 - 9.8 inches (25 cm) for peripheral studies
 - Variable speed,; 2.0 inches/sec (5.0 cm/sec) (max)
- Table top elevation range:
 - 18.5 to 43.3 inches (47 to 110 cm) from floor
 - Allows maximum flexibility to load patients on and off of table
 - With 18.5inches (47cm) of table height being the lowest position patients can easily reach the floor for stability and safety
- All Digital Carriage, without SPOTFILMER. Enables the following:
 - Improved image quality
 - X-Ray dose reduction
 - Enhanced field of view (closer to patient)
- Table Weight: 3,440 lbs. (1,560 kg)
- Compact and ergonomic design allows mounting only 4 inches from back wall

Imaging Unit

- Imaging coverage max 79.7 inches (202.5 cm)
- Oblique angle of X-ray tube rotation +40/-40 degrees cranial-caudal and caudal-cranial to table FPD
- X-ray tube rotation angle Vertical: Counter clockwise 90 degrees to Off table Gurney, or Trendelenburg: Clockwise 90 degrees
- Dedicated inch mover for minor adjustments of imaging unit
- The edge of the imaging range can be positioned as close as 3.7 inches (9.5 cm) from the head end of the table.

Collimation

- Virtual Collimation; Enables to collimation of irradiation field by displaying the collimator position onto fluoroscopic LIH (Last Image Hold) image.

- Left and right asymmetrical collimator
- Octagonal (Iris) collimator

Additional Beam Hardening

- 0.1mm Cu
- 0.2mm Cu
- 0.3mm Cu

Grid

- Ratio 10:1, Density: N 50 line/cm
- Focusing Distance 47.2 inches(120 cm)
- Interspace material: AL
- Removable Grid

Standard Accessories

- Footrest
- Shoulder rest
- Side hand grip, 1 pair
- Overhead hand grip
- Table Mattress
- Footswitch for fluoroscopy and radiography
- Intercom
- Grid Storage Rack
- 511-46188 9BCu Phantom
- AM35CBLK-RM007 SMILE Mat with Shimadzu "Global Strings" Design
- BR1000G APC Back-UPS Pro 1000

Swallowing Examinations

- Wheelchair or swallow patients can be examined by extending the imaging chain up to 150cm of SID

Stretcher Applications

- The tube head can rotate 90 degrees at vertical position to image patients on the stretcher

565-11450 500 lbs weight feature

- Table Fully Functional with Patient Load up to 500 pounds and 700 pounds in case that the patient is lying horizontally and stationary

566-13611 Mat Sensor FRAME Assy (saftey sensor around the bottom of the table frame)

563-78010 Hygienic Smart Column Integrated Tube Arm Features:

- Design allows for installation in a 107 square foot room with a 9 foot 6 inch recommended ceiling
 - 8 ft 6 in Minimum Height (Some movement restrictions)
- With Table Vertical; X-ray tube Focus is 59.4 to 220 cm from floor.
- Tube Rotates +90 degree - 90 degree (motorized for stretcher work)
- Easy patient access from either side of the table
- Linear Tomography capability
 - Exposure range FFD: 110cm, Horizontal, Vertical or at any table tilt angle from +90 to -90 degree
 - Exposure angle 8, 20 30, 40 degree
 - Speed maximum 2.5 second for 40 degree
 - Layer height: 0 to 250 mm from the tabletop

532-24825-02 X-Ray Tube

- Fluoroscopic X-Ray Tube: 750kHU, 0.7 X 1.2 Focal, Grid Controlled Pulse Fluoroscopy

UD150BC-40S Radiographic/Fluoroscopic High Frequency Inverter X-Ray Generator with the following features:

- High Frequency, 50 kHz inverter
 - 80kW Radiographic Rating
 - Microprocessor Controlled
 - LCD Touch Panel
 - Advanced Anatomical Programming with 400 programs
 - Two-Point (kV / mA) and three point (kV / mA / t) manual techniques and manual AEC / APR override capabilities
 - Radiographic kV 40-150 Continuous
 - Radiographic mA 10-1000 mA
 - Time selection .001-10 seconds
 - Detailed Exposure Factor settings with 12.5% increment exposure time or mAs
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- Fluoroscopic kV 50 - 125 kV continuous
- Fluoroscopic mA 0.3 - 20 mA
- Fluoro Brightness Stabilizer
- Fluoroscopic Timer
- Exposure counter
- Anode heat calculator
- Compact, space saving control console, desk or wall mount
- Two X-Ray tube compatibility
- Requires 480 VAC, Three Phase power
- Automatic Exposure Control (AEC)
- High Speed Starter
- H.T.C. 18mt

DR-300 Shimadzu Digital System

Includes:

- Anti-Virus Software
- Fluoroscopy 1024 x 1024 matrix
- Auto-Calibration, and image quality analysis/measurement software
- High speed CPU
- Disk drive stores 10,000 images at 1024x1024
- Windows 7 operating system with intuitive graphic user interface
- PC keyboard and Mouse
- DVD-R drive; upto 2,000 images in DICOM Media Storage 1024 x 1024 matrix

Radiography

- SPOT Acquisition
- Serial Acquisition
- Multi-frame imaging: 2 or 4 split horizontally/vertically
- SUREngine Advance for Radiography
 - The digital filters suppress the halation and loss of shadow details for SPOT Acquisition images

Fluoroscopy

- Pulsed Fluoroscopy at 30/15/7.5/3.75 fps
- Fluoroscopy Image Storage: Direct store/LIH (Last Image Hold) store/Loop Store, Up to 1,000 frames per run.
- Virtual Collimation
- SUREngine Advance for Fluoroscopy
 - Real-time multi frequency processing
 - Real-time flexible noise reduction

Processing

- Customizable fields allow exam settings to be pre-programmed to Individual doctor's specifications making for one-click exam setup
- Auto-image optimization
- Extensive group of post-processing features for optimal image quality
 - Gamma Selection from 10 kinds of nonlinear contrast curve
 - Recursive Filter Noise Reduction
 - 13 x 13 Template filter processing Edge Enhancement
- Horizontal / Vertical Inversion
- Zoom up to x 4
- Multiple Image Display (2x2, 4x4)
- Annotation for overlay display text and figure
- Distance & Angle Measurement on the image

DICOM Communication

- DICOM 3.0 network includes
 - DICOM storage class
 - DICOM MWM (Modality Worklist class.)
 - DICOM media DVD-R in DICOM format
 - DICOM print class,

SMD19102-SCS Monitors

- Two(2) 19 inch Grayscale Flat Panel Display for Procedure Room
 - Two(2) 19 inch Grayscale Flat Panel Display for Control Room
- 6GF62800-1DG Foot/Stand
- Two(2) for Flat Panel Display
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Sonial G4 17"x17" Flat Panel Detector

Shimadzu Flat Panel Detector Technology System

- Indirect Conversion dynamic Flat Panel Detector
- 139 micrometer pixel technology for sharp diagnostic visualization
- Superior spatial resolution (MTF)
- Spatial resolution: 3.4 lp/mm
- 17 x 17 inch Full imaging field of view , edge to edge
- Acquisition frame rate: Max. 15fps
- High resolution image acquisition with dose reduction
- 3032 x 3032 max matrix size for 17 inch
- Images obtained as 14 bit data and stored with a digital processing device as 12 bit data without losing any image information
- Pulsed Fluoroscopy: High resolution, Low Dose
- Pulsed Fluoroscopy: Frame Rates: 3.75, 7.5, 15, or 30 fps

FOV: Magnification (1) 43cm(17") sq, (2) 38.1cm(15") sq, (3) 30.5cm(12") sq, (4) 22.9cm(9") sq

Includes :

- Csl Indirect Conversion 17 inch Flat Panel Detector
- Shimadzu Advanced Flat Imaging Receptor
- Panel Control Unit
- Power Supply

Digital Filter

- Suppresses halation and thereby greatly increases the visibility of blood vessels and devices
- Enables high-contrast images to be obtained without a compensation filter

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Hygienic smart column - (included in description of part number 503-78000-22)

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CXDI-701C Wireless Digital Detector

The Canon CXDI-701C Wireless portable, lightweight DR system provides super high resolution, high quality, filmless image capture for a broad range of radiographic applications, including trauma, ICU and bedside exams. The CXDI-701C Wireless is an ISO 4090 compliant cassette size detector that can fit into existing bucky trays, or in new equipment trays with ease.

Offering high-quality diagnostic images efficiently with minimum X-ray exposure to patients the CXDI-701C Wireless is ideal for all radiographic use, especially pediatric. This portable DR system consists of a Canon Amorphous Silicon (a-Si) Flat Panel Detector and a Cesium Iodide (Csl) Scintillator, allowing for extremely effective X-ray absorption and high signal-to-noise performance. The large 14-inch x 17-inch imaging area and portable design - just over a half-inch thick (0.6 inches) and weighting only 7.3 lbs. - allow the CXDI-701C Wireless to be especially useful with patients who have limited mobility and for capturing images at angles that are difficult to set with fixed devices.

Immediate Results:

An on-screen preview image is available approximately 1-2 seconds after exposure. An additional monitor (not included) can be added for the immediate viewing of high-resolution images in the emergency department or radiography suite.

Includes:

- 1 - CXDI-701C Wireless imaging unit
- 1 - Operation manual
- 2 - Battery Packs

Features and Specifications:

Detector

- Scintillator: Cesium Iodide
- Pixel Pitch: 125 microns
- Pixels: 2,800 x 3,408 (9.5 million)
- Imaging Area: 14 inches x 17inches (35 cm x 43 cm)
- Battery Performance: 140 images
- Wireless Standard: IEEE 802.11N (5 & 2.4 GHz)

Image Acquisition

- A/D: 16 bit
 - Grayscale: 12 bit or 16 bit selectable
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- Preview Image: 1-2 seconds

Water Resistant to IPX4

- Test Duration: 5 minutes
- Water Volume 10 liters per minute
- Pressure 80-100 kPa

Electrical and Environmental

- Voltage: 100V, 120V, 230/240V (50/60Hz)
- Power Consumption: 170VA maximum (Detector unit only)
- Operating Environment: 41-95°F (5-35°C), 30-80% RH (non-condensing)

Physical Characteristics

- Dimensions (WxLxH): 15.1 inches x 18.1 inches x 0.6 inch (384 x 460 x 15 mm)
- Weight: 7.3 lbs. (3.3 kg) with battery

1 **X-Ray Interface Unit for CXDI-70/701, 80/801, and 401C Wireless**

1 **Battery Charging Unit for CXDI-70/701, 80/801, and 401C Wireless**

1 **Grid Cap; 130 cm, 6:1, 52lpc, AL spacer, Vertial Lines 14x17**

1 **WLAN Access Point**

- WLAN Access Point
- Integrated AP has a default setup of Wi-Fi Protected Access 2 Pre Shared Key (WPA2 PSK)
- AES-CCMP encryption
- Closed network with the wireless detector
- Hidden SSID
- Separate from the facility network
- IEEE 802.11n, 5.0 GHz frequency band
- Channels 36, 40, 44, 48
- No patient data is transferred with this connection
- Transfer of raw image data in proprietary format
- Internal communication such as ready status, battery level, and signal strength of the detector

1 **AC Adapter for WLAN Access Point**

1 **Infrared Check-In Unit**

1 **NE Control Software and PC for NE Workstation**

PC Specifications:

- Intel Core 2 Quad Core CPU
- 4 GB High-Speed RAM
- 500 GB SATA Hard Drive
- DVD/RW Burner (SATA)
- Microsoft Windows 7 64-Bit Operating System
- Optical Mouse
- Full Size Keyboard

1 **DICOM Modality Worklist**

DICOM Modality Worklist for Canon CXDI Digital Radiography systems is a communications module for acquiring patient information and exam requirements from the HIS/ RIS. The following features are available in this module:

Study Information Acquisition

- Study is configurable to include a wide variety of patient information such as name, sex, birth date, age, patient ID, accession number(s), referring physician, etc.
- Find Mode is available and conforms to Modality Worklist SOP Class (MWL).
- Patient information can be entered manually if the patient does not appear on the worklist.

- When used with a portable imaging unit, the worklist can be downloaded and stored in the control computer eliminating the need for network access at the patient's bedside. A barcode reader (not included) can be used to find and select the patient from the worklist.

Study Status Notification

- Supports Modality Performed Procedure Step SOP Class (PPS) with in progress, completed, or is continued messages.
 - PPS is available for both suite and portable imaging
 - Multi-accession imaging
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Imaging Modes

- Manual imaging mode allows the user to individually select each view to be acquired
 - Program imaging mode uses the study information sent by the HIS / RIS to pre-configure the exam(s) to be performed
 - Images can be acquired in any order
 - Additional views can added at any point in the exam
 - The study can be ended without completing all views
 - 100 views can be acquired for a single patient
 - Exams and views can be customized to meet the needs of the facility
 - * Requires Program Imaging Mode Set Up and Implementation Fee
- Optional DICOM tags can be defined, displayed, printed, and transmitted to PACS.
Pregnancy Status can be received from HIS / RIS and an alert displayed to inform the user of the pregnancy status.
Storage Commit function is available.

1 **19" Touchscreen for CXDI system**

1 **D-Link 5-Port 10/100/1000 Desktop Switch**

1 **Serial Communication cable for G-com or k-com 16 meters long**

1 **CXDI-GCOM software only**

Integration with Canon CXDI-DR NE Software

*Also need p/n G-Com-cable-16 for Rad and RF, not needed for MobileDaRt.

1 **SMILE Floor Mat with Shimadzu "Global Strings" Design**

1 **Remote Control Console, Desktop Type**

563-78013 ZS-200 RC-U, built-in Kit

1 **Mylar Template for SV-G4 built-in console**

1 **Transformer, ZS-200 CAB (step down from 480V to 200V) (default)**

1 **UL Power Cable Package A**

Power Distribution Box in exam room; DR in exam room

1 **Connection Cable Package Layout #1: All 3 cabinets (ZS/UD/DR) in Exam Room**

1 **Connection Cable Extension Kit: US Cabinet - DR Cabinet to 10mt from 2mt**

565-10032-02 Cable, UD-DR

572-70052-10 IBS Cable for evolve

572-70017-10 Fan Cable, FPD

1 **Compact Local Console**

- Footswitch for Fluoroscopy
 - 8 to 10 keys are customized as users want and it enables real free choice and layout of the functions for each customer.
 - Simple compact local console can give you to operate the basic movements of the table at next to your patients.
 - This console is combined with LCD monitor cart for 2 monitors.
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Dual Monitor Suspension (with CH200/200M)

1 Dual Flat Monitor Type,24" C' Balanced height with Swing arm for X-Y Transverse rail.

also includes:

A240-975 X-Y 6'8" adapter for Shimadzu CH-200 with 1.1 meter fixed rail spacing

ID4.0CCK 4'0" Cable Carrier Kit

566-14012 Monitor EXT-Box Assy

1 CH-200 (UL, Front Mount) CTM Pre-Installed package: Including

- 200/(208)/220/230/240V 1 kVA Single-phase incoming line
- Color Touch Screen control panel
- Color LCD Touch Screen rotates automatically with tube rotation
- Eight Programmable switches for locks (user customizable)
- Anatomical Programmed Radiography (APR) control at tableside
- Easy-to-clean surfaces
- Positive touch release operation handles for quick positioning
- One-button full-way motion release
- 3 way lock release, Vertical Lock Release and collimator light switches on Rear of Tube Suspension
- Spring balanced for easy movement
- Reliable locking system allows any angulation to be held in position
- Pop-up information message window on Display
- Over Table X-Ray Tube; 400 KHU; (12 degree, 0.6 x 1.2 Focal)
- Shimadzu Collimation System
- Vertical Travel - 160 cm (5' 3")

- 503-58100-26 CH-200 (UL) Ceiling Tube Suspension (front mount)

- 571-15191-22 High tension cable pair - 22 meter

- 582-24827-06 Accessory pack, 22RFS

- 563-58285 Vertical tracking

1 R-300 (UL) Auto size sensing collimator, with auto filtering

- Auto-Filtering Feature automatically Switches to the Optimal Filter for Eash Selected APR

When the APR is selected for the region being imaged, the collimator filter also switches. Using the filter present for each APR, such as the extremities or abdomen, minimizes unnecessary exposure to obtain high-quality radiographic images at the optimal X-ray dose.

- Rubber-Cushioned

The perimeter of the collimator emission port is covered with rubber to cushion the impact if a patient bumps into the collimator

- Smooth Manual Collimation

The collimator leaves are motor-driven in response to knob operation, allowing rapid operation of the aperture with minimal effort.

1 Fixed rail 4.0m for CTM

1 Traveling Rail 3.3m for CTM

1 Beam Assy for GE 56" Unistrut Spacing 3 ea.(for 4.0 M fixed rail)

503-73139 Beam Mount (Cleit) 12 ea.

503-45747-01 Bracket for 2.1 meter rail 6 ea.

1 X-ray Tube 0.6/1.2P324DK-125, 400kHU tube, 0.6 & 1.2mm spot, 12 degrees angle

- 400 KHU

- 12 degree target

- 0.6/1.2 focal spot

1 GSC-2002L Radiographic Console

1 AFC Flat Panel Monitor Holder

1 CH-G4 Connection Kit

- 1 **SID Detection - Longitudinal Assembly**
(for wall receptor on head or foot wall)
- 1 **High tension cable pair - 30 meter**
- 1 **Accessory pack, 28RF**
- 1 **BR-120 (UL) Auto wall bucky stand with Removable Grid**
- 1 **Interlink Vertical Height Detection Assembly BR-120**
- 1 **Removable Grid 10:1 52lpc/140cm focus grid**
- 1 **FPD Kit Wireless for BR120/120T/120M**
- 1 **Wallstand Top Wall Brackets (BR-120/120T/120M)**
- 1 **SPT-XD-A3B, 3 pick-up AEC Photo Chambr, 30m cable**
- 1 **Installation of mount kit for Wall Bucky**
- 1 **Laser Line Marker Option (R-300)**
- 1 **Detent Assy for click stop (R-300)**
- 1 **Calculated Dosimeter option (R-300)**
- 1 **DICOM Radiation Dose Structure Report (RDSR)**
- 1 **Tomosynthesis Option**
- 1 **Compression Band: Table (ZS-200/ZS100/BK200)**
- 1 **Mat Sensor IMU Assy (Safety sensor around G4 FPD)**
- 1 **Lateral cassette holder used with Grid Cap**
- 1 **Frontal Handgrip (BR-120/120T/120M)**
- 1 **Overhand Lateral Handgrip (BR-120/120T/120M)**
- 1 **Wiring Units WU-3A (for 701C/801C/401CW)**
- 1 **PurePower - Power Control and Distribution Unit**

PurePower for Peak Performance

The Shimadzu SonialVision is a high performance combination Digital, R/F, and Angio system which should be fed by a clean, low impedance power line. The Shimadzu PurePower subsystem is a specialized power conditioner which supplies the high peak currents required by SonialVision while protecting against grounding problems, voltage impulses, and power line noise. An ultra low impedance shielded isolation transformer creates a fresh, clean ground and isolates the system from other disturbance-generating equipment usually found in hospital radiology departments. Integral filtering and surge suppression provide maximum sine wave tracking protection and helps attenuate load generated noise.

Small, Attractive, Cool and Quiet

New patented transformer technology allows high power systems to be housed in a compact package which takes a minimum of premium space. Aesthetic design and cool, quiet operation allow it to be located where it should be for maximum performance - close to the Shimadzu SonialVision.

Reduces Installation Costs

This factory packaged system has a much lower installed cost than a field-assembled combination of power components (shunt-trip breaker, filters, transformers, surge suppressors, receptacles and distribution breakers). And the ultra low impedance delta-wye isolation transformer reduces wiring costs by eliminating the neutral and allowing a code-minimum ground to be used.

Maximum Protection from Incoming (line side) Noise

Filters and surge suppressors are built in, providing better protection against voltage spikes (normal-mode noise) than with field assembled systems. The isolation transformer's high-performance shield protects against ground line impulses (common-mode noise).

With a worst case power disturbance as defined by the ANSI/IEEE Standard C62.41 6000V 3000A Capability Category B Impulse applied to the input, less than 500V will be let through to the X-ray generator. Less than 20V of the 6000V Ringwave will pass through to the digital cabinet.

Maximum Protection from Load Generated (output side) Noise

Today's electronic loads take their current in short bursts whose equivalent frequency is up to 1 kHz. This power conditioner has 10 times less transfer impedance than old technology isolation transformers at this same frequency. This ensures that electronic loads can be supplied with a minimum of voltage waveform distortion. Low impedance and tight load regulation minimize transients caused by load switching.

Model Number - PCDU-SRF

Input Voltage - 200/208/240/4S0/480V AC 60Hz 3-Phase Delta/Wye

Output #1

400/230V AC 3-Phase Wye to Generator
120kVA(i), 174A/ph peak, 20A continuous,
60Hz impedance <0.07 ohms L-L, Load Regulation 3% at 120 kVA(i)

Output #2

200/115V AC 3-Phase Wye
8.6kVA (24A/phase) continuous
C-Arm/Table, Digital, Starter, Injector, and Auxiliary
Cross regulation <2% as generator load varies 0-120kVA(i)

Breakers:

Input - 100A for 480V input

Output #1

100A 3-Pole 400V breaker to X-ray Generator

Output #2

30A 3-pole 200V main breaker for output distribution panel
20A 3-pole 200V to C-Arm/T able
15A 2-pole 200V to Digital Product #1
20A 1-pole 115V to Digital Product #2
30A 2-pole 200V to Starter
20A 1-pole 115V to Injector
20A 1-pole 115V spare breaker (future use)
2 each IOA fuse feeding 115V to 1 each 5-15R service receptacles on PCDU

Grounding: Isolatable ground busbar system for all output grounds plus connection of local grounding electrode per NEC

Controls: Includes 115V shunt-trip control with contacts for external EPO pushbutton

Audible: Less than 50dB (A) audible noise measured at 1 meter

Approvals: UL Listed to Standard 1012/187 for Power Supplies and X-ray

1 **Inside Delivery (2 men - 6 hours Each) with crate removal and disposal**

1 **Installation Dollies Rental**

TIMS - requires all four items listed below:

1 **TIMS 2000 DICOM Fluoro and Audio capture Device:**

- Acquire the entire study from an RF Exam or speech pathology procedure
- Capture streaming video up to several minutes long.
- Capture audio synchronized with the video.
- Review & edit to select only the segments of the video that are of diagnostic value which help reduce PACS storage burden.
- Archive study to CD/DVD/USB with free DICOM viewer.
- DICOM Store, Worklist and Print
- Query the PACS system and retrieve them for display right on the TIMS DICOM System.
- Integrated with Digital and generator to capture during Fluoro.

1 **Shimadzu DVI Kit Stationary**

- Acquire the entire study from an RF Exam or speech pathology procedure
- Capture streaming video up to several minutes long.
- Capture audio synchronized with the video.
- Review & edit to select only the segments of the video that are of diagnostic value which help reduce PACS storage burden.
- Archive study to CD/DVD/USB with free DICOM viewer.
- DICOM Store, Worklist and Print
- Query the PACS system and retrieve them for display right on the TIMS DICOM System.
- Integrated with Digital and generator to capture during Fluoro.
- Includes one license of TIMS DICOM Review Software.

1 **17" LCD Display with Speakers (Not for use with/Cart)**

1 **TIMS DICOM Review Software**

- Review & edit to select only the segments of the video that are of diagnostic value which help reduce PACS storage burden.
- Archive study to CD/DVD/USB with free DICOM viewer.
- DICOM Store, Worklist and Print
- Query the PACS system and retrieve them for display right on the TIMS DICOM System.
- Includes one license of TIMS DICOM Review Software which is loaded on Customer PC.
- Allows speech Therapist to make report and edit Fluoro loops in their office freeing RF room for exams.

TOTAL LIST PRICE

45.0% Discount (Standard FEDERAL discount 36% SonialVision G4 Base System, CORE added an additional 9%, 40% Options, Applications - 4 days Included on G4 (Additional applications fees may apply*)**

SUBTOTAL VA DISCOUNTED FEDERAL PRICE

1 **Wall Holder for CXDI-701 and CXDI801 Series Detector and Grid Cap.**

1 **14 x 17 inch or 35 x 43 cm CR Cassette and DR Panel Protector - 750lb Capacity**

3 **Canon Applications Training**

- 4 weeks notice required to include travel and lodging
- Less than 4 weeks notice does not include travel, lodging or incidental expenses
- CME Credits up to 5.5 hours max.

1 **Wireless Site Survey**

Wireless Site Survey: At the customers site do a Site Survey to determine the best channels for use with the Canon Wireless DR Panel(s). This item should be completed with the involvement of your onsite IT/IS team. The information captured in this survey will be used to configure your new Wireless Access Point associated with the new Canon equipment for compatibility with the site-specific environment.

1 **Meraki Z1 Cloud Managed Teleworker Gateway ****

Hardware

- 1 GbE WAN port, 4 GbE LAN ports
- Sleek, low profile design

Traffic shaping and application management

- Layer 7 application visibility and traffic shaping
- Application prioritization

Teleworker gateway services

- Stateful firewall separates corporate and personal traffic
- Auto VPN™ self-configuring site-to-site VPN
- Access Core Medical HQ via site-to-site VPN

Cloud-based centralized management

- Managed centrally over the Web
- Locally managed by facility IT staff

** Or another form of Site-to-Site VPN is required for Service

1 **Architectural Room Drawings - Site specific. With full AutoCad**

including AutoCad and Isometric

4 **Applications Training on Shimadzu G4 - included with new equipment installation**

3 **Additional Applications Training on Shimadzu G4**

1 **Freight FOB Building Site**

FOB VA - Portland, OR or Vancouver, WA

1 **Service Training - Sonialvision**

Service Training Class - Tuition for one (1) biomedical engineer for 4-5 days service training class at Shimadzu Medical Systems. Does not include travel and living expenses.

Class Held At:

Shimadzu Medical Systems
20101 South Vermont Ave.
Torrance, CA 90502-1328

1 The following items are not included in the total price listed above. If you wish to purchase these items, indicate "Accept" next to the item, followed by your initials. The amount for each option below will be added to the total above if accepted. These items may replace other items in the quotation above, and will be indicated per item.

OPTIONAL SHIMADZU - FEDERAL ITEMS:

1 Single Battery Pack for CXDI-70/701, 80/801, and 401C Wireless - Extra

1 **T-smart Option (Tomosynthesis - Shimadzu Metal Artifact Reduction Technology**

"T-smart" divides the original projection images into two projection image sets, metal-free projection images and metal-only projection images, by using advanced metal extraction algorithm. Then, it performs iterative reconstruction to each of them, and finally integrates the two data in one.
That is how "T-smart" can reduce metal artifacts even further.

SLOT OPTIONS:

1 **Slot Radiography**

- Is a premium feature to provide a long accurate image for full spine or legs just by selecting a start and end point to acquire a series of images

Accurate Image for Orthopedics Measurements

- Slot Radiography collimates the x-ray beam to a narrow slit,
 - 4 cm width High Speed mode
 - 2 cm width high Quality Mode
- Acquires only those central non-distorted slot data successively with the parallel movement of FPD. The long image from the acquisition is more accurate than stitching due to no distortion or elongated or foreshortened body structure due to SID or angle.
- 3 fps acquisition
- Auto reconstruction with negligible longitudinal distortion.
- Any tilt angle.

1 **Supporting Band for Slot scanning (Optional)**

1 **Grip bar for Slot scanning**

1 **Footrest for Slot scanning**

OPTIONAL - NON-FEDERAL ITEMS:

1 Adjustable Physician Protection X-ray Mobile Barrier (Optional)

Mobile X-ray screen designed to protect operating physicians:

- .5 mm Pb equivalent acrylic X-ray screen Adjustable to set in best possible position at the table and above patients body - 45.7" Width x 18.7" Height
- Screen height adjustable by 11.8". Includes safety catch to set in desired position Minimum Height: 57.5", Maximum Height: 69.7"
- .5 mm Pb equivalent double protective curtain
- Horizontal position can be adjusted to fit close to table
- Four sturdy castors, two with brakes"

1 Standard Mobile Barrier - White

- Total Mobile Barrier dimensions: 73" H x 34" W, Depth 25"
- Lead Glass Window 24" H x 30" W
- Powder coated steel frames, precision TIG welded for years of trouble free service, completely enclosing the leaded glass panel for increased durability and safety
- 2.0mm lead equivalent optically clear lead glass encased in clear Lexan to prevent shattering.
- 1.5mm lead equivalent opaque base covered in "Sintra" plastic for easy cleaning and durability.
- Exclusive 1.5mm lead equivalent floor drape, the only mobile barriers made with complete head-to-toe protection.
- 4 hospital grade casters, two with locks for ease of movement and positive positioning.

1 14X17" 70/701C Mobile DR Panel Full Enclosure

1 Lateral DR Plate Holder (Optional)

Accepts grids and caps (channel is 1 1/4"d). Upper and lower channels slide on 24" post. Base plate slides under patient or pad. Features an upper channel that fits into handle and an extra large base for stability. Upper and lower channels are lined with rubber.

Choose your paint color at time of order:

Titanium (metallic), Almond, Gray, Putty, and Twilight

*These custom colors are non-returnable
Textured Black and White
