

SHIP TO:
OPEN MKT - ALL OTHER B80006
V. A. Medical Center
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513 - 861-3100 X4025
CINCI NNATI, OH 45220-2213

PRESENTED TO:

VA CINCINNATI
3200 VINE ST
CINCINNATI, OH. 45220

P.O.# 539 - B80006

SPECIAL INFORMATION & TERMS

- This proposal will be subjected to the Agreement for Vascular equipment products between Government and Canon Medical Systems USA, Inc., Reference contract no. SPE2D1-17-D-0022.
- This quotation/order will be subjected to the Agreement for Ultrasound equipment products between Government and Canon Medical Systems USA, Inc., Reference contract no. SPE2D1-17-D-0022.
- In accordance with contract SPE2D1-17-D-0022, Canon Medical Systems USA, Inc. complies with Department of Veterans Affairs and Department of Defense, Risk Management Framework (RMF) standards.
- Includes 12 Month Warranty.

All information contained in this proposal is confidential and may not be disclosed to any third party without Canon Medical Systems' prior written consent.

PRODUCT	QTY
VL/IR/2.000 INFINIX-I FOR INTERVENTIONAL RADIOLOGY	1
XARIO-100/PS.000 XARIO 100 PLATINUM ULTRASOUND IMAGING SYSTEM	1

1 INFINIX-I FOR INTERVENTIONAL RADIOLOGY

<u>QTY</u>	<u>DESCRIPTION</u>
1	SYSTEM KIT: INFINIX-I SKY + (CEILING MOUNT) 12" X 16" FPD SYSTEM WITH CAT-880B HYBRID TABLE
1	MAIN UNIT: INFINIX-I SKY + (CEILING MOUNT) 12" X 16" FPD SYSTEM WITH CAT-880B HYBRID TABLE
1	OVER HEAD HANDGRIPS / ARMREST FOR CAT-880B
1	SINGLE ARM BOARD
1	MUSHROOM HANDLE
1	HEAD-END DRAPE HOLDER FOR CAT-880B
1	2" TABLE PAD FOR CAT-880B
1	EXTENDED CEILING RAILS FOR CAS-930A, CEILING MOUNTED, 5 METERS
1	CABINET SIDE COVER
1	CABINET CORNER COVER
1	21" COLOR MONITOR KIT
1	LCD FLAT-PANEL COLOR MONITOR 21
1	SUPINE POSITION SCOOP ARM SUPPORT
1	ANTI-FATIGUE FLOOR MAT
1	MAVIG TABLE MOUNTED RADIATION SHIELD
1	COPPER PHANTOM FOR WAKE UP PROGRAM
1	WAKEUP CHECK PROCEDURE BOOKLET
1	30" CONTROL ROOM MONITOR - SP/DP
1	6 MEGA PIXEL (3280 X 2048), 30 INCH WIDE, COLOR LCD DISPLAY
1	HP USB KEYBOARD/MOUSE/MOUSEPAD KIT
1	19" RACKMOUNT SHELF
1	LARGE 58" LCD MONITOR - MEDICAL GRADE
2	MONITOR MOUNT BRACKET ASSEMBLY
1	11.6" TOUCH SCREEN CONSOLE
1	INSTALLATION CABLES FOR LARGE LCD MONITOR
1	CABINET FOR LARGE LCD COLOR DISPLAY MONITOR
1	TRIPP LITE WALL MOUNT CABINET
1	UNIVERSAL CONNECTION MODULE FOR LARGE LCD MONITOR
1	DVI EXTENDER AND RECEIVER CABLE
5	IMAGE CONNECTION MODULE FOR LARGE LCD MONITORS
5	DVI SPLITTER, EXTENDER AND TRANSMITTER WITH SWITCH
5	CAT7 CABLE, 98 FT
1	IMAGE CONNECTION MODULE FOR LARGE LCD MONITORS

1	DVI SPLITTER, EXTENDER AND TRANSMITTER WITH SWITCH
1	CAT7 CABLE, 98 FT
1	PROTECTION GLASS FOR LARGE LCD MONITOR
1	CART WITH ONE 19" LCD MONITOR KIT
1	CART FOR LCD MONITOR
1	19" COLOR MONITOR
1	DVI SPLITTER, EXTENDER AND TRANSMITTER WITH SWITCH
1	CAT7 CABLE, 98 FT
1	JOYSTICK CONTROL UNIT WITH STAND (SKY + ONLY)
1	DUAL ARM MAVIG GD60 LARGE MONITOR SUSPENSION FOR CAS CEILING MOUNTED RAILS
1	BI-LATERAL ARM BOARD SET
1	TABLE SIDE CONTROL EXTENSION RAIL SET (PAIR)
1	FOOT-END TABLE EXTENSION (REQUIRES XBER-001A)
1	FOOT-END TABLE CONTROL MOUNTING RAIL FOR EXTENDABLE RAIL OPTION
1	2" TABLE PAD FOR CAT-880B
1	2" TABLE FOOT-END EXTENSION PAD FOR PART # XBET-001A
1	ANTI-FATIGUE FLOOR MAT
1	COMPENSATION FILTER SET FOR PERIPHERIAL STUDIES
1	WIRELESS FOOTSWITCH FOR CAT-880B SINGLE AND DUAL PLANE
1	MAVIG 4.0 M CEILING TRACK FOR RADIATION SHIELDS, LIGHTS AND MONITORS
1	MAVIG PORTEGRA2 (95/90 CM) EXTENSION SPRING ARM WITH CENTER MOUNTED CONTOUR CUT-OUT SHIELD (61X76 CM)
1	MAVIG PORTEGRA2 (90/95 CM) EXTENSION SPRING ARM WITH M130 LED LAMP - EXTENDED ARM
1	GUERBET ILLUMINA INJECTOR (TABLE MOUNTED) KIT
1	GUERBET ILLUMINA INJECTOR (TABLE MOUNTED)
1	CABLE ASSEMBY, UNIVERSAL 24 M
1	2D ROTATIONAL SPIN ANGIOGRAPHY
1	SPOT FLUORO
1	DSA STEPPING
1	BASIC KIT FOR CLINICAL ANALYSIS APPLICATION
1	BASIC KIT FOR CLINICAL ANALYSIS APPLICATION
1	QUANTITATIVE CORONARY VESSEL ANALYSIS - 9MM OR LESS
1	QUANTITATIVE VESSEL ANALYSIS - 9MM OR ABOVE
1	LEFT VENTRICULAR ANALYSIS (SINGLE PLANE)
1	SYSTEM KIT: INFINIX-I ANGIO WORKSTATION (AWS)
1	MAIN UNIT: INFINIX-I ANGIO WORKSTATION (AWS)
2	LCD FLAT-PANEL COLOR MONITOR 21

1	IMAGE CONNECTION MODULE FOR LARGE LCD MONITORS
1	DVI SPLITTER, EXTENDER AND TRANSMITTER WITH SWITCH
1	CAT7 CABLE, 98 FT
1	MULTIPURPOSE TABLESIDE CONTROL KEYBOARD AND MOUSE EXTENSION KIT FOR AWS, AND UP TO THREE OTHER PORTS
1	CAT7 CABLE, 98 FT
1	KEYBOARD AND MOUSE TABLESIDE MOUNTING DEVICE
1	DOSE TRACKING SYSTEM
1	BASE 3D ACQUISITION SOFTWARE (ALSO REQUIRES VITREA VL 3D PACKAGE)
1	ADDITIONAL ON-SITE APPLICATIONS TRAINING - 32 HOURS
1	LOW CONTRAST IMAGING
1	3D ROADMAP WITH NEEDLE GUIDANCE ON AWS
1	MULTI-MODALITY ROADMAP KIT (CT & MR)
1	RAYSAFE I2 PERSONNEL DOSIMETRY
1	RAYSAFE I2 DOSE MANAGER SOFTWARE
1	DOD SECURITY KIT FOR AWS
1	DOD SECURITY KIT FOR DFP
1	MAIN UNIT: UPS FOR INFINIX-I DIGITAL PROCESSOR
1	EATON 93PM-100 UPS
1	VITREAEXTEND BASIC PACKAGE WITH APPLICATIONS, HARDWARE, INSTALLATION & TRAINING
1	VITREAEXTEND, BASE PKG ONE CONCURRENT USER
5	VITAL SERVICES, VITAL CONSULTING, REMOTE, HOURLY
6	VITAL SERVICES, VITAL U EDUCATION UNITS
1	VITREAEXTEND WORKSTATION, HARDWARE HP SKU X3F31UC#ABA
1	VITREAEXTEND WORKSTATION, HARDWARE HP SKU X3F31UC#ABA
1	WIN RMT DSKTP SVCS CAL 2012 X 64 EMB ESD OEI 5 CLT DEVICE CAL
1	VITREA STANDARD WORKSTATION MONITOR
1	VITREAEXTEND MULTIUSER ENHANCEMENT PACKAGE OPTION
1	VITREAEXTEND MULTIUSER ENHANCEMENT PACKAGE REVITALIZE
1	VITAL SERVICES, VITAL CONSULTING, REMOTE, HOURLY
1	VITREA XA 3D ANGIOGRAPHY OPTION FOR US
1	VITREA ENDOVASCULAR STENT PLANNING OPTION
1	VITREA LIVER APPLICATION OPTION
1	VITREA ONCOLOGY FUSION STD OPTION
1	VITREA PERIPHERAL VESSEL PROBE OPTION
1	VITAL U EDUCATION PKG-2 DAYS ONSITE TRAINING
6	VITAL SERVICES, VITAL U EDUCATION UNITS

- 1 VL INFINIX SERIES BIOMED TRAINING COURSE - TUITION ONLY (8 DAYS) *PRE-REQUISITE TO ALL INFINIX CLASSES

1 XARIO 100 PLATINUM ULTRASOUND IMAGING
SYSTEM

NUMBER

QTY DESCRIPTION

1	XARIO 100 PLATINUM ULTRASOUND IMAGING SYSTEM
1	APLIPURE+
1	PRECISION IMAGING
1	DIFFERENTIAL TISSUE HARMONIC IMAGING (D-THI)
1	MULTI-FREQUENCY LINEAR TRANSDUCER, VASCULAR (11L4)
1	MULTI-FREQUENCY CONVEX TRANSDUCER (6C1)
1	DICOM
1	WIRELESS LAN KIT
1	BASKET KIT

INFINIX-I FOR INTERVENTIONAL RADIOLOGY

Optimized for Interventional Radiologists, Infinix-i has the tools, the technology and the system to help clinicians reduce risk and save time in a complex and demanding clinical environment. Combining industry-leading image quality and dose management capabilities with exclusive ergonomic features and an array of advanced imaging applications, Infinix-i can enhance performance for every patient and every procedure.

Designed in collaboration with radiologists, Infinix-i improves the way we work without changing the way we work. With exclusive technology like WorkRite, it allows the performance of lengthy procedures more comfortably and effectively.

The Infinix-i is strategically designed to help you grow with your practice. Image the most complex coronary or peripheral artery diseases while enabling structural heart interventions. The unique mechanical design is perfectly suited to enable flexible position for faster, safer exams while creating an integrated cath lab environment.

WorkRite Technology:

The unique flexibility and design of the C-arm, combined with low-profile FPD housing, offers better ergonomic orientation enabling “line of sight” over the system and patient to view the display monitors. The Infinix-i product line has an extensive lateral C-arm movement, at the head end of the table, affords an exceptional advantage when accessing the upper extremities, such as in a radial or brachial procedure. The flexible mechanical design provides extensive longitudinal travel to allow full body coverage from the patients head to the toes without panning the table.

Customizable features and award-winning training help you to accelerate and increase utilization of Infinix-i system innovations to enhance efficiency and help you improve patient care.

<u>PART NUMBER</u>	<u>QTY</u>	<u>DESCRIPTION</u>
	1	SYSTEM KIT: INFINIX-I SKY + (CEILING MOUNT) 12" X 16" FPD SYSTEM WITH CAT-880B HYBRID TABLE
	1	MAIN UNIT: INFINIX-I SKY + (CEILING MOUNT) 12" X 16" FPD SYSTEM WITH CAT-880B HYBRID TABLE

STANDARD SYSTEM COMPONENTS

• CAS-930A	Multi-Axis C-arm, Ceiling Mounted
• DSRX-T7345GFS	High-Capacity X-ray Tube
• BLA-900A	Automatic Rotating Collimator
• TFP-1216A/C1	12"x16" Flat Panel Detector
• CAT-880B	Catheterization (Tilting) Table
• XGCP-930BA	Tablesides Console HyperHandle
• XBFS-880S	Standard Footswitch
• XTP-8100XG	High-Frequency X-ray Generator 100 kW
• DFP-8000B/B2	Multitasking Digital Fluoroscopy Processor
• XIDF-MIC802	Microphone Kit
• XIDF-MCC80S	Main Console
• XIDF-FS801S	Control Room Footswitch
• XJDK-001A/V5	Dose Meter Controller
• XJDC-016A	Dose Chamber

MULTI-AXIS C-ARM, CEILING MOUNTED - CAS-930A

The flexible, ceiling-suspended C-arm provides all clinical angles for diagnostic and interventional procedures. The superb access to the patient allows the operator to approach and work in the desired relationship to the patient (without moving the table), enabling catheterization techniques to be freely executed.

Specifications

- Variable speeds up to 80 degrees per second for rotational acquisition from tableside
- Stroke of flat panel detector movement (SID): 300 mm, motor-driven
- Isocenter height: 1050 mm (41.3")
- ±135-degree column rotation (270-degree head-end open access)

Positioning Features to Enhance Workflow

The ceiling-suspended, multi-axis C-arm is designed to enhance workflow. Features include:

- **C-arm Movement:** Flexible positioner that, combined with low-profile housing of the X-ray tube and flat panel detector (FPD), optimizes

imaging angles. Enables variable-speed axial rotations and isocentric fluoroscopy and fluorography with rotations from:

- RAO 180 degrees to LAO 120 degrees (when the C-arm is in head-end position)
- RAO 90 degrees to LAO 70 degrees (side position)
- **Auto-Positioning/Auto-Set Functions:** Specify auto-positioning settings sequentially for each study protocol. Quickly initiate C-arm positioning and system settings for the desired imaging requirements. Record and reproduce over 64 programs of: angulations and SID, initial field-of-view (FOV), table height, compensation filter position.
- **Auto-Angle:** For acquired images, auto-angle stores the following for one-touch recall (can be customized to site): C-arm angle, initial field-of-view (FOV), table height, compensation filter position, FOV, Live Digital Zoom.

HIGH-CAPACITY X-RAY TUBE WITH LIQUID METAL BEARING - DSRX-T7345GFS

Includes a standard 36-month, non-prorated tube warranty. Triple-focus design provides small-focal-spot redundancy. Highly efficient, pulsed fluoroscopy with built-in, beam-hardening aluminum and copper filters reduces dose. Continuous, high-speed (9000 rpm) anode rotation provides immediate display of fluoroscopic and fluorographic images. Other features include:

- Grid switch
- Maximum kV: 125 kV
- Focal spot: 0.3/0.6/1.0 mm
- Maximum ratings: 17/48/100 kW
- Target angle: 11 degrees
- Maximum anode heat storage: 3000 kHU
- Maximum anode cooling rate: 7700 HU/s

AUTOMATIC ROTATING COLLIMATOR - BLA-900A

- Four dose-adjustment filters with industry-standard filtration materials: aluminum 1.8 mm, copper 0.2 mm, 0.3 mm, 0.5 mm
- Automatic or manual rotating collimator keeps a heads-up alignment
- Automatic selection of appropriate filter is possible when registered in the fluorographic program
- Additional compensation filters are provided: iron 1.2 mm
 - Two left/right filters (heart-shaped or straight filters available)
 - One center filter (straight)

12"X16" FLAT PANEL DETECTOR - TFP-1216A/C1

State-of-the-art flat panel detector technology enhances low-dose imaging, offers exceptional image quality, and features Digital Subtracted Angiography (DSA) standard with superior contrast and dynamic resolution.

Specifications

- Multiple fields-of-view: 12" x16", 12" x12", 8" x8", 6" x6"
- Detector matrix: 2048x1536 with frame rates up to 30 FPS
- Pixel size: 194 microns x 194 microns with DQE of 77%
- 16-bit pixel depth for extended dynamic range
- Removable grid

CATHETERIZATION (TILTING) TABLE - CAT-880B

Facilitates catheterization of cardiac, cerebral, abdominal and peripheral areas. As a hybrid catheterization table, can also support some open surgical procedures. Micro-processor-controlled longitudinal movement enables table to be used for numerous radiographic techniques. Flat surface eases movement of patient on and off the table.

Specifications

- Sliding movements (manual):
 - Longitudinal stroke: 1350 mm (53.1")
 - Lateral stroke: ± 200 mm (± 7.9 ")
- Vertical movement (motor-driven): 754 mm to 1054 mm (29.7" to 41.5") (from floor level)
- Tilt: 16 degrees head up and 16 degrees head down (motor drive for longitudinal shift when tilted)
- Lateral tilt: 16 degrees left and 16 degrees right (manual lateral panning is possible, even when tilted laterally)
- Tabletop rotation range (manual pivot): +90 to -90 degrees
- Maximum patient weight:
 - 551 lbs. (250 kg) at maximum table extension
 - Can support additional loading of up to 220 lbs. (100 kg) for cardiopulmonary resuscitation (CPR)

TABLESIDE CONSOLE HYPERHANDLE - XGCP-930BA

Adjustable, rail-mounted, tableside control provides functional control of component movement and interface with digital console. Control features a slim profile and ergonomic design with tactile control buttons, enhancing the user experience.

STANDARD FOOTSWITCH - XBFS-880S

Provides various image acquisition and other programmable functions via foot pedals and buttons, freeing the clinician's hands and allowing more focus on the patient and image display.

HIGH-FREQUENCY X-RAY GENERATOR 100 kW - XTP-8100XG

Uses dual-inverter method for increased reliability with redundant inverter. Operates in normal/standard mode, low-dose mode and high-dose mode fluoroscopy. Includes: control console, control cabinet, power cabinet with high-speed starter, fluoroscopy control cabinet, system power source cabinet.

Fluorographic Ratings

- 125 kV, 800 mA (0.1 s)
- 100 kV, 1000 mA (0.1 s)

Pulsed Fluoroscopy Function

- Fluoroscopic tube voltage range: 50 kV to 120 kV
- Fluoroscopic tube current range: 200 mA peak
- Pulse width: 1.0 ms to 13.3 ms
- Repetition pulse rate: 30, 20, 15, 10, 7.5, 5, 3, 2, 1 exp/s (can be selected at the time of installation)
- Auto brightness control (ABC) function: provides the automatic adjustment of the tube voltage and tube current to maintain uniform monitor brightness

Digital Subtraction Angiography (DSA) Functions

- Tube voltage range: 50 kV to 125 kV
- Tube current range: maximum 1000 mA (may be restricted depending on the rating of the X-ray tube assembly)
- Pulse width: 1.0 ms to 100 ms

Digital Angiography (DA) Functions

- Tube voltage range: 50 kV to 125 kV
- Tube current range: maximum 1000 mA (may be restricted depending on the rating of the X-ray tube assembly)
- Pulse width: 1.0 ms to 25 ms

MULTITASKING DIGITAL FLUOROSCOPY PROCESSOR - DFP-8000B/B2

Canon Medical Systems' digital processor provides a variety of features to enhance workflow and image processing.

Fluoro and Acquisition Modes

- Fluoro:
 - Input image: 1024² matrix, 10 bits
 - Pulse rate: continuous or 1, 2, 3, 5, 7.5, 10, 15, 20, or 30 exp/s
- DA Acquisitions (selected at the time of installation):
 - Matrix of 1024²: 8/10/12 bits at 1, 2, 3, 5, 7.5, 10, 15, or 30 FPS
 - Matrix of 512²: 8/10/12 bits at 1, 2, 3, 5, 7.5, 10, 15, or 30 FPS
- DSA Acquisitions (selected at the time of installation):
 - Matrix of 1024²: 12 bits at 1/3, 1/2, 1, 2, 3, 6, 10, 15, or 30 FPS

Common Graphic User Interface

The new digital platform comes with a graphic user interface that is common across modalities on all Canon Medical Systems devices for more intuitive operation of all systems.

Advanced Image Processing (AIP)

Canon Medical Systems' exclusive imaging technology, AIP is a combination of software, filters and proprietary hardware. AIP enables enhanced visualization of small devices and structures while providing real-time response to optimize the collection of critical imaging information during the most demanding procedures.

Advantages Over Conventional Imaging

Virtually instant-on fluoroscopy helps to capture critical information at fluoro initiation. Noise and anti-blooming suppression technology is designed to provide a more uniform, high-resolution presentation of the image during fluoroscopy. Virtually zero lag during fluoroscopic imaging helps to further enhance visualization during movement and while manipulating wires.

Proprietary Technology

AIP proprietary computing technology brings a new dimension to the overall performance of the system, adding specific functions for either targeted or general anatomical imaging to aid clinicians in treatment planning and intervention. This includes:

- **Dynamic Pattern Recognition Filter (DPRF):** Enhances visibility with digital recognition of devices to differentiate devices from anatomy.
- **Dynamic Digital Compensation Filter (DDCF):** Improves exam efficiency and decreases dose by reducing the need for acrylic filters.
- **Super Noise Reduction Filter (SNRF):** Allows for better visualization of anatomy and device by reducing noise, even with acute angulations. These enhancements reduce the amount of noise and lag in digital imaging for both digital angiography (DA) and fluoroscopy.

Dynamic Trace

Use of a panning mode while imaging the lower extremities, and for bolus chase examinations, for a more uniform image display and background compression. This provides greater vessel detail even when vessels overlap bone.

Guide View Subtracted 2-D Roadmap Fluoro

Canon Medical Systems' proprietary Guide View technology is particularly useful during roadmap imaging. Guide View provides the ability to combine features to better distinguish and visualize guide wires within the vessel. These features include:

- Fade vessel or background, adjust brightness and contrast in real time, and reverse blacks and whites
- Provide boney landmark
- Create roadmap using Last Image Hold (LIH) or an acquired image:
 - Peak Pixel Roadmap: Provides the optimal, live, peak, subtracted fluoroscopic roadmap image.

- Add Subtracted Fluoroscopy: Provides a completely subtracted display to better visualize live contrast injections or embolic materials.
- CO₂ DSA: Provides the optimal, live, CO₂ (low-density pixel), subtracted fluoroscopic roadmap image without the use of iodinated contrast media.

Fluoro Record and Fluoro Store

Enables the easy use of fluoro store and playback to further study regions of interest, potentially reducing overall radiation dose. Ideal for pediatric imaging.

- Tableside, one-button control
- Maximum: 90 seconds or 1020 frames of prospective recording
- Maximum: 60 seconds or 900 frames of retrospective recording

Live Digital Zoom

Live zoom digitally enlarges images in real time during both fluoroscopy and digital acquisition (DA) and offers the capability to provide a dose-savings alternative compared to traditional field-of-view (FOV) magnifications.

Virtual Collimation using Last Image Hold

Provides an electronic outline to position the collimator and acrylic filter without fluoroscopy, further reducing dose.

DA and DSA

The user-friendly, icon-driven platform provides intuitive, rapid, tableside control over image processing and data management.

Radiographic One-Shot Mode

Allows the capture of a single image at radiographic technique level. Image can be used as a mask for functions such as subtracted roadmap fluoroscopy.

Simultaneity

True multitasking, including: image retrieval, image acquisition, post processing, archiving, printing.

Prevision

Enables retrieval and display of previously acquired Infinix-i series images as reference during follow-up procedures.

Post-Processing Software

Auto-window, pan and zoom, distance measurement and stenosis ratio measurement, spatial filtering (edge enhancement), brightness/contrast control, landmarking percent, peak trace, CO₂ trace, shutter control, annotation, image rotation, pixel shift, panoramic view (available with Stepping DSA).

Image Recording Unit

High-capacity, high-speed disk (RAID Level 3):

- Maximum recording number: 1024² 8/10/12-bits: 118,800/95,000/79,200 loss-less compression
- Online recording
- DVD-R and CD-R recording
- DICOM 3.0, 512² or 1024² 8/10/12-bits, JPEG loss-less compression
- Up to 4800 frames at 512²x8 bits

DICOM Conformance and Dose Reporting

- DICOM Store/Store Commitment, Query/Retrieve
- DICOM MWM and MPPS
- DICOM Structured Dose Reporting provides a comprehensive data set of procedural dose information that is available for output to further analyze and track dose information.

MICROPHONE KIT - XIDF-MIC802

- Includes noise-reduction transformer
- Remote operator activates microphone/speaker with footswitch
- In-room microphone/speaker mounts on monitor support

MAIN CONSOLE - XIDF-MCC80S

Control-room console with similar functions as exam-room console, which enhances workflow due to a more intuitive use of the system. From inside the control room a user can:

- Operate the ring menu
- Use pre-programmed functions
- Control collimator and filters
- Review and manipulate images

CONTROL ROOM FOOTSWITCH - XIDF-FS801S

Footswitch enables fluoroscopy to be initiated from inside the control room.

DOSE METER CONTROLLER - XJDK-001A/V5

Manages dose when combined with a dose chamber (XJDC-009A or XJDC-016A) on the front of the beam-limiting device. Sends the following data to the digital fluoroscopy processor:

- Exposure time
- Dose area product (DAP) in μGycm^2
- Dose area product rate (DAP) in $\mu\text{Gycm}^2/\text{s}$
- Calculated surface dose in mGy
- Calculated surface dose in mGy/s

DOSE CHAMBER - XJDC-016A

For cardiovascular tube. Mounted on top of the collimator to enable dose data for real-time display.

IMAGE MAKER EXPRESS

Image Maker Express is an online marketing resource that helps Canon Medical Systems customers build demand for imaging service by growing their referring physician and patient relationships. Image Maker Express includes:

- Easy-to-use marketing resources and tools developed exclusively for Canon Medical Systems customers to bring together effective marketing strategies and tactics.
- A wealth of content to create high-quality brochures, print ads and more to help market the Canon Medical Systems customer's new imaging capabilities.
- Available materials* include:
 - Product images and logos
 - Clinical images and videos
 - PowerPoint presentations and promotional videos
 - Brochure samples
 - Customizable press releases and media tips
 - Marketing strategy tutorials

**Offerings may vary per product.*

APPLICATION TRAINING

Each system includes a three-phase education program and the industry exclusive Performance Pro Guarantee.

Performance Pro is a unique approach to education utilizing blended learning with the promise of technical proficiency and optimal productivity. If for any reason the customer is not satisfied with any portion of the training, Canon Medical Systems will conduct that portion of the training again, at no charge.

Phase I: Two attendance vouchers for a four-day technologist-focused course held at the Canon Medical Systems Institute of Advanced Imaging in Irvine, California. This course provides the fundamentals of operating Canon Medical Systems' Infinix-i VL system, including a variety of VL exams performed with the latest dose reduction techniques. This course includes in-depth lectures and hands-on training. At the completion of the course, the attendee will be proficient in the following applications and operations: basic to advanced VL imaging console operation, system menus, system default protocols, post-processing image data, and basic troubleshooting. This course is all-inclusive of the following: tuition, airfare (booked by Canon Medical Systems), lodging, and meals. Accredited for CE credits by the ASRT Education Foundation.

Phase II: An initial 32 hours of on-site education will be provided at the customer facility during system go-live. This training is provided for up to four imaging professionals, including the two who attended Phase I training, to focus on maximizing imaging techniques, protocols and system operation.

Training is scheduled consecutively, Monday through Friday, with Monday mornings and Friday afternoons scheduled as travel time for the applications specialist. CE credits are earned by participants who attend the Phase II training event in its entirety.

Phase III: An additional 16 hours of on-site education will be provided for the same four imaging professionals who participated in Phase II training. Timing is approximately 6-8 weeks following installation, to optimize staff proficiency and system productivity.

Note: Canon Medical Systems personnel are not responsible for imaging patients, patient safety, any actual patient contact, or operation of equipment during education sessions. Canon Medical Systems will only demonstrate proper equipment operation.

The training is offered to the customer at no charge, providing that it is completed no later than one year after the warranty start date.

Additional classroom and on-site training is available for purchase.

Applications support is available by phone on the toll-free ASSIST line, 1-800-521-1968.

CUSTOMER CARE SERVICES

Developed with customer input, Canon Medical Systems' innovative support programs have resulted in increased customer satisfaction. The following support programs are available to customers covered under warranty:

InTouch™ Center

This centralized service facility provides applications and service support 24 hours a day, seven days a week.

InnerVision Plus®

Remote system diagnostics are available around the clock to help identify problems and provide potential solutions before care is interrupted.

Technical Assistance

Customer support specialists are available 24/7 to help resolve technical issues in real time.

Local Customer Teams

A single call mobilizes a local team of Canon Medical Systems customer engineers. With an average of over 10 years of Canon Medical Systems experience and more than 100 hours of specialized training, they can resolve any performance issue.

Parts Support

Canon Medical Systems maintains a complete inventory of product parts in 34 parts depot locations throughout the country, for shipment when and where they are needed, any time of day or night.

INTOUCH SERVICE MAINTENANCE AGREEMENTS

Canon Medical Systems offers a variety of customizable service plans ranging from shared risk to full security maintenance agreements that provide complete system coverage.

Note: The Infinix-i Sky + is the INFX-8000C with 930A C-arm.

1 OVER HEAD HANDGRIPS / ARMREST FOR CAT-880B

This armrest allows the patient's arms to rest comfortably when they are positioned above the patient's head.

For use with CAT-880B Table

1 SINGLE ARM BOARD

Carbon fiber arm rest for the right or left side. One is included standard with CAT-850B table.

1 MUSHROOM HANDLE

Table mounted for convenient, quick positioning of floating tabletop with magnetic brake release.

1 HEAD-END DRAPE HOLDER FOR CAT-880B

Mounted on the edge of catheterization table to keep the drape away from the patient's face.

1 2" TABLE PAD FOR CAT-880B

Two-inch thick table pad to increase patient comfort during long procedures.

- Made with a combination of dense foam and memory foam.
- Has a black, stretch cover.

Fits CAT-880B tabletop.

EXTENDED CEILING RAILS FOR CAS-930A, CEILING MOUNTED, 5 METERS

When XGCR-050B is combined with the system, the movement distance will be as follows.

- Longitudinal ceiling movement: 2,100 mm (82.7")

1 CABINET SIDE COVER

This side cabinet cover is required in select installations due to site limitations in the Equipment Room, such as a floor-to-ceiling support beam causing separation of cabinets. This part provides for both left and right side cover needs.

Note: Only for DFP-8000B and later versions.

1 CABINET CORNER COVER

This part is required for installations in which the electronics cabling for Infinix-i must be routed to floor-level cable race rather than the usual ceiling-level cable race. This part provides for both left and right end covers, whichever is needed per cable routing at individual site installation.

Note: Only for DFP-8000B and later versions.

1 21" COLOR MONITOR KIT

1 LCD FLAT-PANEL COLOR MONITOR 21

- 21.3" LCD monitor
- 1600x1200 display matrix
- 420 cd/m² luminance (typical)

1 SUPINE POSITION SCOOP ARM SUPPORT

- Patient weighted arm boards hold weight of patient's arm alongside the torso at the Infinix table edge
- Set of two

1 ANTI-FATIGUE FLOOR MAT

1 MAVIG TABLE MOUNTED RADIATION SHIELD

Provides additional radiation protection from direct and scatter X-ray exposure.

- Mounts on Canon Medical Systems Infinix-i tableside rails, reversible for right or left side mounting

- Three-piece radiation shield assembly:
 - Main shield: 181 mm x 645 mm
 - Angled side shield: 700 mm x 645 mm
 - Tabletop scatter shield: 700 mm x 700 mm (removes to facilitate patient loading)
- Wall storage holders:
 - Upper shield: 600 mm
 - Lower shield: 460 mm
- Includes mini-rail for mounting table-function controls, if desired.

1 COPPER PHANTOM FOR WAKE UP PROGRAM

Wake Up Check test phantom for daily QA.

Includes 2mm copper and instructions to be used for the Wakeup Check protocol, which checks the imaging conditions for DA, DSA and One Shot acquisition.

1 WAKEUP CHECK PROCEDURE BOOKLET

1 30" CONTROL ROOM MONITOR - SP/DP

The Interventional Dashboard brings your important computer based tools to your fingertips. Up to eight (8) different systems can be interfaced into the Interventional Dashboard, providing a single collaborative workstation with one keyboard and one mouse.

Easily modify screen inputs and video sizes for optimal customization based on clinical need or preference. One system can be controlled at a time so you can update patient charts while viewing the information you need at the same workstation.

Includes:

One Color LCD Display

- 4.0 mega pixel (2560 x 1600)
- 30 inch diagonal (~596 x 335 mm, H x W)
- 300 cd/m² typical luminescence rating

Connection Hardware

- Interface module
- Cabling to connect Live and Reference x-ray images
- Cabling to connect four external sources

Keyboard and Mouse

Note: The monitor / device is not for use for screening or diagnostic mammography

1 6 MEGA PIXEL (3280 X 2048), 30 INCH WIDE, COLOR LCD DISPLAY

Color LCD Display for use with the Interventional Dashboard 30" monitor solution.

- 6 megapixel (3280 x 2048)
- 30 inch diagonal (76 mm)
- 1500:1 Contrast Ratio (typical)
- 500 cd/m² brightness rating (typical)

Note: Display of mammography images for diagnosis is not supported

1 HP USB KEYBOARD/MOUSE/MOUSEPAD KIT

1 19" RACKMOUNT SHELF

1 LARGE 58" LCD MONITOR - MEDICAL GRADE

The 58" monitor displays critical patient information on one display and allows easy image display size, content or pattern changes with the joystick function on the Infinix tableside control.

The 58" monitor display system:

- Combined with Infinix-i imaging capabilities and the monitor suspension system, enhances the clinical environment and provides more critical patient information in one display.
- Improves the working space by reducing the profile of the monitor assembly and connection cabling.
- Provides and displays both patient information and anatomical images in a variety of sizes and patterns.
- Can quickly change from one enlarged image to six different displays, or choose from a multitude of display combinations.
- LMM Box is an ancillary component of the Eizo Video Integration Solution that enables video connectivity of multiple devices for display on the 58" monitor.
- Package includes a video scaler to accommodate automatic recognition of variable video resolution formats includes VGA, DVI, BNC and S-Video connectors for external Video input of mobile devices (i.e. Ultrasound) used during the case.

Components

- High-resolution 58" monitor display
- Monitor guard
- Digital processor with up to 27 inputs to manage image display sizes and patterns
- Programmable touch panel to change and arrange image sizes and display patterns based on clinical preferences
- Video scaler and DVI extender for connection of mobile devices at tableside.

Monitor suspension sold separately

2 MONITOR MOUNT BRACKET ASSEMBLY

Mounts one smaller monitor, typically 19", on the rear of a large LCD monitor suspension unit.

- Bracket holds one smaller monitor (typically non-fluoro) with a 100 VESA mount
- Mounts to rear on either side of the large LCD suspension assembly to provide additional location for alternate monitor (maximum of two monitors, one for each side)

Note: Total weight of each monitor must not exceed 20 lbs each. Maximum weight of combined optional items may not exceed 155 lbs. Consult with your Canon Medical Systems representative to determine total weight payload.

Alternate monitor sold separately.

1 11.6" TOUCH SCREEN CONSOLE

1 INSTALLATION CABLES FOR LARGE LCD MONITOR

1 CABINET FOR LARGE LCD COLOR DISPLAY MONITOR

Wall or floor mounted storage unit to house large LCD monitor electronic components.

1 TRIPP LITE WALL MOUNT CABINET

1 UNIVERSAL CONNECTION MODULE FOR LARGE LCD MONITOR

The UCM enables connection of a variety of mobile medical devices for video input on the large LCD monitor. This unique design is capable of accepting and converting video signal from; DVI, VGA, BNC, and S-Video. Only one video signal can provide input at a time.

DVI EXTENDER AND RECEIVER CABLE

5 IMAGE CONNECTION MODULE FOR LARGE LCD MONITORS

The ICM enables extension of a single DVI video output, maximum resolution 1920x1200@60Hz, providing the ability to interface ancillary medical devices for display on the large monitor. The ICM typically resides in the control room, where one ICM is needed for each video output intended to be displayed on the large LCD monitor.

5 DVI SPLITTER, EXTENDER AND TRANSMITTER WITH SWITCH

5 CAT7 CABLE, 98 FT

1 IMAGE CONNECTION MODULE FOR LARGE LCD MONITORS

The ICM enables extension of a single DVI video output, maximum resolution 1920x1200@60Hz, providing the ability to interface ancillary medical devices for display on the large monitor. The ICM typically resides in the control room, where one ICM is needed for each video output intended to be displayed on the large LCD monitor.

1 DVI SPLITTER, EXTENDER AND TRANSMITTER WITH SWITCH

1 CAT7 CABLE, 98 FT

1 PROTECTION GLASS FOR LARGE LCD MONITOR

Providing physical protection of the large LCD monitor glass, this device was designed specifically for the large LCD monitor. With minimal glare or light loss, this is the optimal protection device to ensure the fidelity of the large LCD monitor display glass.

1 CART WITH ONE 19" LCD MONITOR KIT

1 CART FOR LCD MONITOR

Mobile cart designed to hold one LCD monitor for examination room use.

1 19" COLOR MONITOR

1 DVI SPLITTER, EXTENDER AND TRANSMITTER WITH SWITCH

1 CAT7 CABLE, 98 FT

1 JOYSTICK CONTROL UNIT WITH STAND (SKY + ONLY)

DUAL ARM MAVIG GD60 LARGE MONITOR SUSPENSION FOR CAS CEILING MOUNTED RAILS

Suspension System* for one large screen monitor up to 60" display.

- Maximum suspension arm reach of 1240 mm
- Internal cabling includes power cables
- Rotation brakes for positioning
- Trolley mounted for OEM track integration
- Spring Arm +12° up/-28° down motion
- Weight load capacity of up to 100.0 kg (220 lbs.)

NOTE: Floor mount systems require additional CAS ceiling rails.

**Designed and manufactured by MAVIG GmbH*

1 BI-LATERAL ARM BOARD SET

Table mounted arm rest enables support for both arms.

1 TABLE SIDE CONTROL EXTENSION RAIL SET (PAIR)

- Designed for application with the CAT-850B, CAT-860B or CAT-880B tables only
- Tableside rail set (2), one for each side
- Designed to accommodate Infinix table controls and common accessories (e.g., I.V. pole)

1 FOOT-END TABLE EXTENSION (REQUIRES XBER-001A)

Auxiliary table extension installed at the foot end of the table. Easily folds over on to the foot end of the table when not in use.

1 FOOT-END TABLE CONTROL MOUNTING RAIL FOR EXTENDABLE RAIL OPTION

Clamp and rail system attaches to existing side rails at foot end of CAT-850B/CAT-880B, creating a new rail across the foot end of the Infinix table for system controls.

1 2" TABLE PAD FOR CAT-880B

Two-inch thick table pad to increase patient comfort during long procedures.

- Made with a combination of dense foam and memory foam.
- Has a black, stretch cover.

Fits CAT-880B tabletop.

1 2" TABLE FOOT-END EXTENSION PAD FOR PART # XBET-001A

2" x 27.6" x 29.5" pad for foot end of Infinix table used as a work station. Coordinates with 9409 Table pad, elevates work area to flush level with patient pad area. Black stretch vinyl cover.

1 ANTI-FATIGUE FLOOR MAT

1 COMPENSATION FILTER SET FOR PERIPHERAL STUDIES

Set of six silicone rubber compensating filters for digital subtraction arteriography of the lower extremities.

- Can be used for unilateral or bilateral examinations.
- Can be used with or without subtraction (DSA and DA).
- Two opaque rulers are incorporated in the midline filters.
- Can be used for veinography.

1 WIRELESS FOOTSWITCH FOR CAT-880B SINGLE AND DUAL PLANE

The wireless footswitch provides cable-free operation. More flexibility for the customer, and easy maintenance. This kit requires a Table Modification Kit XBFM-880A in accordance with the combined table.

Key Product Features:

- Charging time: 4.5 hours
- Standby mode time: 48 hours
- Continuous use: 20 hours
- Battery needs to be replaced after 500 hours or 1 year
- 5M max distance from transmitter
- AC Charger
- System Cable to direct connect footswitch to table
- LED indicators for charged, charging, needs charge
- LED indicators also indicates errors

Prerequisite - requires software version 6.1 or above

MAVIG 4.0 M CEILING TRACK FOR RADIATION SHIELDS, LIGHTS AND MONITORS

The Mavig 4.0 M Ceiling Track enables up to two devices (maximum of one light) to be mounted on a single trolley. The 360 column with trolley has one electrified pin with 330 degrees of rotation capability and a lower pin with 360 degrees of rotation. Each pin has a load capacity of 18 kgs. Each trolley comes standard with a Brake Handle Strap which makes the system more user friendly.

1 MAVIG PORTEGRA2 (95/90 CM) EXTENSION SPRING ARM WITH CENTER MOUNTED CONTOUR CUT-OUT SHIELD (61X76 CM)

The MAVIG Center Mounted Contour Cut-Out Shield measures 76 cm by 61 cm and includes a Portegra2 Extension Spring Arm with two arms measuring 95 cm and 90 cm. The transparent acrylic shield contains 0.50 mm Pb and is easily manipulated into position by use of a height adjustable handle.

1 MAVIG PORTEGRA2 (90/95 CM) EXTENSION SPRING ARM WITH M130 LED LAMP - EXTENDED ARM

The MAVIG M130F LED Lamp provides 60,000 LUX of focusable light ranging from 14 to 25 cm field size.

Includes a 95/91 cm suspension arm.

1 GUERBET ILLUMINA INJECTOR (TABLE MOUNTED) KIT

The Illumena rack mount contrast medium injector consists of a power pack, a touch screen console for remote control of all important functions, and an injector head. The power pack and touch screen console are located in the control room. The injector is table mounted in the examination room.

Components

- Table-mounted system with swivel table-mount.
- A table stand with support arm and injector head.
For filling rate control the injector head has an ergonomically designed filling lever.
- A separate power pack unit in the control room.
- A control console with touchscreen operation and display in the control room. The control console is prepared for wall mount.
- A contrast medium warmer (heater blanket), a connection cable (24 m) to the hand switch and a connection cable (5 m) for triggered operation.
- Installation & clinical applications training
- 12-month warranty

- All injection parameters are displayed on the touchscreen display of the control panel, with the main parameters additionally shown at the injector head.
- After switching on the injector, the language for display and operation can be selected: German, English, French, Italian, Spanish or Japanese.

1 GUERBET ILLUMINA INJECTOR (TABLE MOUNTED)

Angiomat ILLUMINA Injector

* Fixed Table Mount Powerhead

* With 125/150 ml Syringe Assembly

1 CABLE ASSEMBY, UNIVERSAL 24 M

1 2D ROTATIONAL SPIN ANGIOGRAPHY

The system has integrated multiple forms of rotation technology to include high-speed C-arm rotation for 3-D acquisition and 2-D rotational capabilities. High-speed rotation provides acquisition frame rates ideal for high-resolution 3-D reconstructions.

Specifications

- Image size: 1024x1024; 12-bit
- Image rate (FPS): Up to 25 FPS at 1024x1024 matrix
- Acquires images throughout and up to a 200-degree C-arm arc
- X-ray exposure timing: angle trigger method
- Provides 3-D color image display for enhanced diagnosis, treatment planning and interventional procedures.

Rotational DSA

- Programmable single-axis rotation (manual or auto) to optimize display area

1 SPOT FLUORO

Spot Fluoro software takes collimation to a new level by enabling asymmetric collimation and Last Image Hold (LIH) Overlay.

With asymmetric collimation a desired region of interest (ROI) can be specified anywhere in the field of view. This off-center, free spot, collimation capability enhances workflow by allowing the collimator blades to work around the patient so repositioning is eliminated.

LIH Overlay merges the collimated live fluoro onto the full field of view LIH, on a single monitor. Reference anatomy or landmarks remain on the same monitor, enabling collimation when traditional methods restricted its use.

DSA STEPPING

Software that provides micro processor control of stepping functions, and real-time display of DSA images. Stepping is user controlled. Ideal for use during lower-extremity contrast-injected examination.

Specifications

- Image size: 1024x1024; 12-bit
- Image rate (FPS): 15, 10, 6, 3, 2, 1 can be selected at the time of installation
- Stages: 8 (7 steps)
- Speed: 1.7 sec/step
- Stroke:
 - 120 mm (4.7") minimum
 - 220 mm (8.6") maximum
- Maximum sweep: 1350 mm (53.1")
- Three sweeps:
 - Set up exposures at fluoro dose levels (abdomen to feet)
 - Mask acquisition (feet to abdomen)
 - DSA exposures (abdomen to feet)

1 BASIC KIT FOR CLINICAL ANALYSIS APPLICATION

1 BASIC KIT FOR CLINICAL ANALYSIS APPLICATION

Application

This is platform software for running the clinical analysis applications such as QCA, QVA, LVA, LVA-BP, RVA, QCA3D, and Stent Enhancer.

Features

Table side operation is available.

1 QUANTITATIVE CORONARY VESSEL ANALYSIS - 9MM OR LESS

Application

XIDF-QCA850 is required. XIDF-QCA851 is a QCA (quantitative coronary analysis) software package for use in clinical practice and research. This software features automatic contour detection of the coronary artery of interest and analysis of its dimensions.

Features

- Automatic contour detection is supported for QCA.
- Various calibration methods such as catheter calibration, sphere calibration, and distance calibration are available.
- Report files of QCA can be transferred to the PACS server and can be referred to in the examination room and control room.

QUANTITATIVE VESSEL ANALYSIS - 9MM OR ABOVE

Application

XIDF-QCA850 is required. XIDF-QCA852 is a QVA (quantitative vessel analysis) software package for use in clinical practice and research. The QVA software is used for quantitative analysis of blood vessels such as the aorta, iliac arteries, renal arteries, etc. QVA supports automatic contour detection for vessels up to 50 mm in diameter.

Features

- Automatic contour detection is supported for QVA.
- Various calibration methods such as catheter calibration, sphere calibration, and distance calibration are available.
- Report files of QVA can be transferred to the PACS server and can be referred to in the examination room and control room.
- Table side operation is available.

1 LEFT VENTRICULAR ANALYSIS (SINGLE PLANE)

Application

XIDF-QCA850 is required. XIDF-QCA853 is an LVA (left ventricular analysis) software package for use in clinical practice and research. This software supports automatic contour detection of the left ventricle, volume calculation, and wall motion analysis. LVA can be applied to images acquired during left ventricular diagnosis.

Features

- Automatic contour detection is supported for LVA.
- Various calibration methods such as catheter calibration, sphere calibration, and distance calibration are available.
- Report files of LVA can be transferred to the PACS server and can be referred to in the examination room and control room.
- Table side operation is available.

1 SYSTEM KIT: INFINIX-I ANGIO WORKSTATION (AWS)

1 MAIN UNIT: INFINIX-I ANGIO WORKSTATION (AWS)

- Supports Analysis and Planning Software.
- Supports 3D-DA/DSA applications.
- Supports 3-D Roadmap and Multi-Modality Roadmap.
- Supports Parametric Imaging.

Parametric Imaging (PI) Functions*

- Displays an entire image sequence as a single composite DSA image that is color coded in order to characterize the contrast media dynamics and to allow easier visual evaluation

- Color Coded Circulation (CCC) can create movies by shifting color scale gradually so that it is easy to understand vessel flow

**Parametric Imaging Software is not intended for stand-alone use or diagnosis*

***Note: All advance 3D and Analysis software is optional.
If it is desired to extend viewing and control of advanced imaging applications into the exam room the extension kit must be selected as an option and possibly other components dependent on current monitor configuration.***

This AWS is compatible with DFP versions 4.50 and greater.

2 LCD FLAT-PANEL COLOR MONITOR 21

- 21.3" LCD monitor
- 1600x1200 display matrix
- 420 cd/m² luminance (typical)

1 IMAGE CONNECTION MODULE FOR LARGE LCD MONITORS

The ICM enables extension of a single DVI video output, maximum resolution 1920x1200@60Hz, providing the ability to interface ancillary medical devices for display on the large monitor. The ICM typically resides in the control room, where one ICM is needed for each video output intended to be displayed on the large LCD monitor.

1 DVI SPLITTER, EXTENDER AND TRANSMITTER WITH SWITCH

1 CAT7 CABLE, 98 FT

1 MULTIPURPOSE TABLESIDE CONTROL KEYBOARD AND MOUSE EXTENSION KIT FOR AWS, AND UP TO THREE OTHER PORTS

1 CAT7 CABLE, 98 FT

1 KEYBOARD AND MOUSE TABLESIDE MOUNTING DEVICE

Designed to mount on any Infinix-i tableside rail set. Easily attaches to the tableside rails and provides an adjustable platform to hold a keyboard and mouse.

The assembly has multiple pivot points to accommodate a variety of positions to provide an ergonomic friendly setup. Enables the ability to conveniently place a keyboard and mouse right at tableside to interface with exam room monitors

Also the assembly is designed to alternately mount a touch screen of monitor at tableside. Components are included to enable this attachment.

1 DOSE TRACKING SYSTEM

DTS provides a virtual patient dose map with real time tracking of estimated peak and accumulated skin dose during an interventional procedure.

- Color-coded and easy to read 3D spatial visualization of radiation exposure to the patient and clear indication of radiation distribution.
- Real time feedback enables the clinician to make procedural adjustments and thus limit exposure in any area for prolonged periods.
- Estimation of peak skin dose available on cardiovascular/neurovascular procedures.

Please note: Dose Tracking System requires AWS 6.0 (XIDF-AWS801/B1). Additional monitors for exam room viewing may be required depending on current configuration and are not included.

1 BASE 3D ACQUISITION SOFTWARE (ALSO REQUIRES VITREA VL 3D PACKAGE)

This option for Infinix systems provides the necessary software for acquisition, reconstruction and display of 3-Dimensional Angiographic image data. From the head-end approach to the patient table, the c-arm can be programmed to acquire a serial acquisition over a 200-degree arc around the target area. A special high-speed reconstruction workstation provides fast transfer and display of the 3-D images on the Vitrea VL 3-D software.

This option is integral and a prerequisite for the optional Low Contrast Imaging (CT-like data) and Roadmapping options.

1 ADDITIONAL ON-SITE APPLICATIONS TRAINING - 32 HOURS

Four (4) days, thirty-two (32) hours, of additional onsite applications support. Training is scheduled consecutively, Monday through Friday, with Monday mornings and Friday afternoons scheduled as travel time for the applications specialist.

inclusive of application specialist's expenses.

Note: Canon Medical Systems personnel are not responsible for scanning patients, patient safety, any actual patient contact, or operation of equipment during education sessions. Canon Medical Systems will only demonstrate proper equipment operation.

Education expires two (2) years from the later of purchase date or warranty start date.

LOW CONTRAST IMAGING

This feature provides for the acquisition and display of "CT-like" imaging.

- Select acquisition of 2-D image data sets of approximately 250, 400 or 600 images/projections. Approximate acquisition times:
 - LCI acquisition mode 1024×1024 :
 - Fast acquisition mode - 250 images: 10 seconds
 - Mid acquisition mode - 400 images: 15 seconds
 - High acquisition mode - 600 images: 25 seconds
 - LCI acquisition mode $512 \times 512^*$:
 - S-Fast acquisition mode - 220 images: 5 seconds
 - S-Mid acquisition mode - 370 images: 8 seconds
 - S-High acquisition mode - 570 images: 13 seconds

** When TFP-1216A/C1, TFP-1200A/C1, or TFP-1200A/C2 is used*

- The higher the image number, the better the resolution of the resulting 3-D volume and MPR's (Multi-Planar Reformations).
- Image display parameters are optimized to low-contrast image densities, and are particularly useful for soft-tissue diagnosis.
- LCI images are transferred and displayed on the 3-D workstation automatically from the DFP-8000 upon completion of acquisition.

Prerequisite: 3D-ANGIO

1 3D ROADMAP WITH NEEDLE GUIDANCE ON AWS

Infinix-i software option to provide 3-D Angio image super-imposed over live fluoroscopy

- Superimposed 3-D image is linked to all system mechanical movements to maintain accurate alignment of 3-D image with fluoroscopy projection as c-arm or table position changes
- Device enhance processing improves visualization of fine metallic interventional devices
- Simple, convenient user interface for manual adjustment, if desired
- Multiple display modes, solid or hollow vessel with transparency adjustment
- Needle Guidance
 - Included as standard with Canon Medical Systems' Volume Navigation 3-D Roadmap is a Needle Guidance application, which provides pathway planning and real-time guidance for percutaneous interventions

Prerequisite:

- 3-D Angio, including XIDF-3DI801 and XIDF-AWS801 software and hardware.
- Modality image which the Needle Guidance application can fuse:
 - 3D-Angio (3D-DA, 3D-DSA) included as standard
 - LCI (Low Contrast Imaging, Requires option XIDF-LCI801
 - CT/MR fusion with fluoro requires option XIDF-3DP804
 - CAT-870B table is not qualified for 3-D Roadmap.

1 MULTI-MODALITY ROADMAP KIT (CT & MR)

3-D Multi-Modality Fusion Roadmap is a software application that enables overlay of live 2-D fluoro images, with previously acquired 3-D image data sets, to enhance 3-D anatomical reference. The previously acquired 3-D data sets can be rendered from either a CT or MR scanner or the Canon Medical Systems Infinix systems using LCI or 3-D Angio.

3-D volumes are reconstructed using the Angio Work Station PC, then projected on the Infinix exam room monitor where it is overlaid by live 2-D fluoro images. This functionality enables real-time integration of 3-D anatomical information to better aid clinical guidance and procedure planning. Automated c-arm positioning is integrated with the 3-D anatomical reference image for enhanced clinical workflow.

Requires DFP-8000B/B2 and XIDF-AWS801/B1 or later, 3D-ANGIOKIT and 3D Roadmap software. LCI software is required when customer desires to perform tableside CT-like imaging for creating a 3D model of the LA for ablations as well as using previously acquired CT datasets.

1 RAYSAFE I2 PERSONNEL DOSIMETRY

Real-time Staff Radiation Dose Monitoring for Fluoroscopy/Catheterization Procedures.

1 RAYSAFE I2 DOSE MANAGER SOFTWARE

- Advanced software for analyzing, reporting and archiving dose information from multiple dosimeters
- Synchronizes dose information from multiple displays/multiple labs through the facility network

1 DOD SECURITY KIT FOR AWS

1 DOD SECURITY KIT FOR DFP

SECURITY KIT FOR DEPARTMENT OF DEFENSE XIDF-SEC802

This kit enables compliance with the security requirements of the United States Department of Defense. When XIDF-AWS801/B1 is combined, it requires a Security Kit for DoD (XIDF-SEC702) for Angio Workstation as well.

When the above kits are installed, the following 3 items requiring FTP Transfer will be disabled.

- Output of database (Patient information and studies)
- Archives of pixel data in ROI (ROI measurement)
- Connection with InnerVision™

In addition to installation of this kit, separate action is required in order to support DoD inspection requirements, and to install the latest security patches. Contact your Canon Medical Systems service representative for details.

1 MAIN UNIT: UPS FOR INFINIX-I DIGITAL PROCESSOR

1 EATON 93PM-100 UPS

The Eaton 93PM UPS combines unprecedented efficiency, reliability, and vertical or horizontal scalability with eye-catching design. A space-saving, flexible device that's as easy to deploy as it is to manage, it's the perfect three-phase white or grey space solution for today's data center.

Includes:

- Uninterruptible Power Supply System
 - Rating: 100 kVA / 100 kW - 1.0 PF
 - Input Voltage: 480 VAC, 3 Phase, 3 wire plus Gnd, 60 Hz
 - Input Type: Single or dual input is standard
 - UPS Output: 480 VAC, 3 Phase, 3 wire plus Gnd, 60 Hz
- IBC-LH: Sealed, maintenance-free AGM-VRLA Battery System
 - Battery system consists of one (1) cabinet running at 432 VDC with B37 batteries (1 string) to provide 11.8 minutes of protection time at 100 kW. Includes DC breaker with 48VDC shunt trip control.
- SIAC Maintenance Bypass Side Car - 3-Breaker
 - Line-and-match 8-inch side car next to UPS with 3 breakers to provide Maintenance Isolation, Maintenance Bypass, and Bypass Input functions. Each breaker 35 kAIC rating at 480 VAC and mechanical slide plate interlock to assure MBB (make before break) transfer.

VITREAEXTEND BASIC PACKAGE WITH APPLICATIONS, HARDWARE, INSTALLATION & TRAINING

VitreExtend Basic package provides advanced visualization tools within the hospital network for one diagnostic professional to view and evaluate anatomy and pathology at 5 access points. Vitrea® is a multi-modality advanced visualization system providing a comprehensive suite of clinical applications.

Offering outstanding image quality and clinical flexibility, the VitreaExtend Basic package includes the following:

- One year software maintenance and warranty upon delivery
- One concurrent VitreaExtend Basic user license
- Five Access points
- VitalU Education Units
- Customer must sign Vital Images software license agreement

Rights to professional services offered with the software license will expire 6 months from the delivery date of the software to the customer or, if purchased separately, 6 months from receipt of PO. Rights to education offered with the software license will expire 12 months from the delivery date of the software to the customer.

Dedicated applications and workflows help facilitate increased diagnostic confidence. Advanced imaging tools and automated measurements, provide physicians with patient information anywhere, anytime. Radiologists can share images and collaborate in real-time with other physicians to help facilitate better patient outcomes. This VitreaExtend Basic Package comes with the following workflows:

- CT Abdominal Analysis
- CT Vascular Aorta
- CT Circle of Willis Analysis
- CT General Carotid Analysis
- CT Larynx Airway Analysis
- CT Musculoskeletal Analysis
- CT Renal Analysis
- CT Runoff Analysis
- CT Urogram
- MR Abdominal Analysis
- MR Brain Tumor Analysis
- MR Musculoskeletal Analysis
- MR Vascular Analysis
- MR Stitching
- VesselProbe

VitalU Education

VitalU education units are included with each VitreaExtend. VitalU education units included with VitreaExtend packages can be applied in any combination toward the cost of courses offered.

- 1 VITREAEXTEND, BASE PKG ONE CONCURRENT USER
- 5 VITAL SERVICES, VITAL CONSULTING, REMOTE, HOURLY
- 6 VITAL SERVICES, VITAL U EDUCATION UNITS

One Vital U Education Unit

Vital education units from Vital Images professional educational organization that can be applied in any combination toward the cost of courses offered below. All courses are taught by Vital's clinical and technical experts.

Course Title	Setting	Days	Units Required
Advanced Visualization Fundamentals	Classroom	3	2
Advanced Visualization Fundamentals - Core (<i>Prerequisite: Advanced Visualization Fundamentals</i>)	Classroom	1	1
Specialty Instruction for Colonography, Cardiovascular, Neurology or Oncology (Advanced)	Classroom	2	2
Advanced Enterprise Administrator course	Client Classroom	2	3
Advanced Visualization Course	Client Facility	2	6
Enterprise Advanced Visualization	Client Facility	3	9
Include Travel to Classroom	NA	NA	2
eLearning *	Online	N/A	Unlimited

Minimum of 2-days per on-site visit.

* Available to customers with a Maintenance and Support agreement at no additional charge.

- 1 VITREAEXTEND WORKSTATION, HARDWARE HP SKU X3F31UC#ABA
- 1 VITREAEXTEND WORKSTATION, HARDWARE HP SKU X3F31UC#ABA

**WIN RMT DSKTP SVCS CAL 2012 X 64 EMB ESD OEI 5 CLT DEVICE
CAL**

1 VITREA STANDARD WORKSTATION MONITOR

1 VITREAEXTEND MULTIUSER ENHANCEMENT PACKAGE OPTION

VitreaExtend Multiple-User Enhancement package expands the 2-D, 3-D and 4-D advanced visualization tools to three concurrent diagnostic professionals to view and evaluate anatomy and pathology. Offering outstanding image quality and clinical flexibility, VitreaExtend Multiple-User Enhancement package includes the following:

- One year software maintenance and warranty upon delivery*
- Two additional concurrent VitreaExtend basic user licenses
- Remote Professional Services
- Customer must sign Vital Images software license agreement

Note: Requires VitreaExtend Basic User Package

**Note: If this software package is being added to an existing installed VitreaExtend system, the Software Maintenance and Support will be pro-rated to the existing Vital Images Contract.*

Rights to professional services offered with the software license will expire 6 months from the delivery date of the software to the customer or, if purchased separately, 6 months from receipt of PO.

**1 VITREAEXTEND MULTIUSER ENHANCEMENT PACKAGE
REVITALIZE**

1 VITAL SERVICES, VITAL CONSULTING, REMOTE, HOURLY

1 VITREA XA 3D ANGIOGRAPHY OPTION FOR US

1 VITREA ENDOVASCULAR STENT PLANNING OPTION

Endovascular Stent Planning (EVSP) enables visualization and measurements of aortic vessels for evaluation, treatment and follow-up for aortic vascular disorders. It automates 3D segmentation of the aorta and initializes stent measurements, based on a template provided by stent manufacturers for a highly efficient workflow.

1 VITREA LIVER APPLICATION OPTION

1 VITREA ONCOLOGY FUSION STD OPTION

Mirada Oncology Fusion is an integrated multiple modality software application for the evaluation of oncologic disease. It combines the abilities

of CT, MR, PET and SPECT imaging into a single viewer on Vital's enterprise platform. Oncology Fusion workflows are seamlessly blended onto a single platform.

1 VITREA PERIPHERAL VESSEL PROBE OPTION

The Vitrea Vessel Probe tool is a single-click curved planar reformatting tool used for vascular analysis. Vessel Probe supports multi-modalities, including CT, MR and XA-3D Angio datasets.

1 VITAL U EDUCATION PKG-2 DAYS ONSITE TRAINING

6 VITAL SERVICES, VITAL U EDUCATION UNITS

One Vital U Education Unit

Vital education units from Vital Images professional educational organization that can be applied in any combination toward the cost of courses offered below. All courses are taught by Vital's clinical and technical experts.

Course Title	Setting	Days	Units Required
Advanced Visualization Fundamentals	Classroom	3	2
Advanced Visualization Fundamentals - Core (<i>Prerequisite: Advanced Visualization Fundamentals</i>)	Classroom	1	1
Specialty Instruction for Colonography, Cardiovascular, Neurology or Oncology (Advanced)	Classroom	2	2
Advanced Enterprise Administrator course	Client Classroom	2	3
Advanced Visualization Course	Client Facility	2	6
Enterprise Advanced Visualization	Client Facility	3	9
Include Travel to Classroom	NA	NA	2
eLearning *	Online	N/A	Unlimited

Minimum of 2-days per on-site visit.

* Available to customers with a Maintenance and Support agreement at no additional charge.

VL INFINIX SERIES BIOMED TRAINING COURSE - TUITION ONLY (8 DAYS) *PRE-REQUISITE TO ALL INFINIX CLASSES

This eight day clinical biomed engineer-focused course held at the Canon Medical Systems Institute of Advanced Imaging in Irvine, California provides training for individuals who support any of Canon Medical Systems' Infinix Series Vascular X-ray systems. This course includes a blend of instructor-led class discussions and hands-on labs.

At the completion of this course, you will learn: configuration of angio and cardiac vascular equipment, theory of operation, calibration, preventative maintenance and repair.

Students must bring notebook computers capable of reading documentation in PDF format, as well as Microsoft Office applications to view spreadsheets and Power Point presentations.

Laptops are not available to borrow or rent during class.

This course includes tuition only. Airfare, meals, and lodging are not included.

XARIO 100 PLATINUM ULTRASOUND IMAGING SYSTEM

Canon Medical Systems' Xario™ 100 Platinum ultrasound system takes the worry out of providing high quality patient care with a small, compact ultrasound system. Canon Medical Systems' High-density beamformer architecture uses advanced digital signal-processing technology. Combining advanced imaging technologies with industry-leading depth and detail, the Xario 100 delivers outstanding clinical performance for routine and advanced studies in a wide range of clinical applications. Standard features include Tissue Doppler Imaging, ApliPure+, Precision Imaging™, Differential Tissue Harmonic Imaging and Trapezoid Imaging. The Touch Command screen adds operational flexibility and ease-of-access while Canon Medical Systems' policy of technology migration brings new image quality and Doppler enhancements.

APPLICATIONS SUPPORT

Developed with customer input, Canon Medical Systems' innovative support programs have resulted in increased customer satisfaction. These include the following:

Technical Assistance

Customer support specialists are available 24/7 to help resolve technical issues in real time. Application support specialists are also available to assist staff with protocol and image-quality issues.

Local Customer Teams

A single call mobilizes a local team of Canon Medical Systems customer engineers. With an average of 10 years of Canon Medical Systems experience and 105 hours of specialized training, they can resolve almost any performance issue.

Parts Support

A complete inventory of product parts is ready for shipment when and where they are needed, any time of day or night.

Training

Included with the purchase of Xario is training conducted by Canon Medical Systems applications specialists registered with the American Registry of Diagnostic Medical Sonographers (ARDMS).

Training includes:

Two days of on-site applications training

One day of on-site follow-up applications training

The training is offered to the Customer at no charge, providing that it is completed no later than one (1) year after the warranty start date.

Additional On-Site Training

Available for purchase.

COMPONENT SUMMARY FOR XARIO-100/PS.000:

<u>PART NUMBER</u>	<u>QTY</u>	<u>DESCRIPTION</u>
	1	XARIO 100 PLATINUM ULTRASOUND IMAGING SYSTEM
	1	APLIPURE+ ApliPure+ provides an outstanding level of image uniformity and detail in every mode. ApliPure+ real-time compounding combines the advantages of spatial and frequency compounding while preserving clinically significant markers that gives diagnostic confidence.
	1	PRECISION IMAGING Precision Imaging is a multi-resolution signal-processing technique. It enhances the definition of structures and sharpens borders to separate clinical information from clutter and noise for a more accurate representation of patient anatomy.
	1	DIFFERENTIAL TISSUE HARMONIC IMAGING (D-THI) An exclusive patented technology, D-THI works with BT technology transducers. It provides improved visualization and definition of lesions, cysts and subtle tissue characteristics while scanning at increased depth and on difficult-to image patients.
	1	MULTI-FREQUENCY LINEAR TRANSDUCER, VASCULAR (11L4) Multi-Frequency Linear Transducer, Vascular (11L4) Model: PLU-704BT Imaging Frequencies: Xario 200 Platinum: 2.0 – 11.0 MHz Xario 100 Platinum/Xario 100MX: 3.0 – 11.0 MHz Footprint/Curvature: Approx. 38mm Field of View: N/A Use: Peripheral vascular (carotid, lower leg), small parts, MSK Biopsy kit/adapter: 680-107, 680-087, 610-608 Reusable biopsy adapter: N/A Prerequisite: <i>Xario 100 (includes Platinum edition) V1.0 or later</i> <i>Xario 200 (includes Platinum edition) V2.0 or later</i>

1 MULTI-FREQUENCY CONVEX TRANSDUCER (6C1)

Multi-Frequency Convex Transducer (6C1)

Model: PVU-375BT

Imaging Frequencies:

Xario 200 Platinum: 1.5 – 6.0 MHz

Xario 100 Platinum/Xario 100MX: 1.8 – 6.0 MHz

Footprint/Curvature: Approx. 50 mm

Field of View: Approx. 70 degrees

Use: Abdominal, fetal, pediatric

Biopsy kit/adapter: 680-105, 680-085, 610-608

Reusable biopsy adapter: N/A

Prerequisite:

Xario 100 (includes Platinum edition) V1.0 or later

Xario 200 (includes Platinum edition) V2.0 or later

1 DICOM

Supports a variety of timed and gated multi-frame DICOM capabilities including:

- Verification SCU/SCP
- Storage SCU
- Modality Worklist Management SCU to support operations with HIS/RIS systems
- Storage SCU to allow studies to be stored to Aplio from remote systems such as Storage Commitment SCU and MPPS SCU workflow management and data

1 WIRELESS LAN KIT

Freehand acquisition of volume data and display of 3D images for B/W, Color Doppler, Power, and ADF images using standard, non 4D transducers.

Prerequisite: Xario 100/200 V4.0 or later

1 BASKET KIT