

REQUESTING SERVICE: MEDICAL SERVICE  
SHIP TO: WHSE/RECEIVING  
V.A. Medical Center  
3350 LA JOLLA VILLAGE DR  
SAN DIEGO, CA 92161

REQUISITION: 664-B90009

Line	Qty.	Catalog	
1	1.00	S18631BM	IGS 730 with InnovalQ table Configuration

With its innovative laser-guided motion technology, the Discovery™ IGS 7 system in its IGS 730 configuration with InnovalQ table offers predictable and precise positioning capabilities for a wide variety of interventional and hybrid procedures.

Discovery IGS 7 Positioner

The Discovery IGS 7 system delivers cutting-edge gantry motion that combines benefits of floor and ceiling-mounted systems. It keeps the ceiling space above the patient free of suspended elements, supporting compliance with aseptic requirements and facilitating installation of ceiling-suspended equipment, such as anesthesia booms, monitor suspensions, surgical lamps or laminar flow. Still, the gantry is not fixed on the floor: It can move around the imaging table or park away to free

access around the patient.

The C-arm is mounted on the Advanced Guided Vehicle (AGV), a motorized and mobile L-arm. Based on laser guidance, the AGV can move freely from imaging position to parking or back-out positions, using predefined trajectories to provide excellent patient access. The motion is predictable, precise, and easy to use, allowing fine control and positioning at any moment in the procedure. Parking locations and back-out distances are customizable for different room configurations. The AGV can also pan longitudinally along the table to extend across the anatomical coverage, while minimizing table panning. It enables the user to image patients from head to foot. The Discovery IGS 7 system features a Wide Bore C-arm with an extra-large source to isocenter distance (also called Source to Object Distance or SOD). The Wide Bore C-arm significantly enhances flexibility in system angulations and iso-centering, while limiting collisions between the tube or detector and the table. It also helps decrease patient skin dose. The patented three-axis isocentric positioner design of the offset C-arm provides maximum positioning flexibility and excellent patient access in all views. Sterile drapes can be attached to the tube, detector and C-arm of the system to maintain integrity of the sterile field.

#### GE Revolution digital flat panel detector

The IGS 730 configuration with InnovalQ table unites image quality, optimal panel size (31 x 31cm square) and built-in protocols for imaging versatility, making it suitable for a wide range of minimally invasive procedures.

The key element in the image chain is GE patented Revolution digital detector, which captures dynamic and fluoroscopic images in digital form with very efficient X-ray dose. It uses an amorphous silicon photodiode array on a continuous-substrate, single-piece panel with no inherent seams and is comprised of a 1536 x 1536 array of imaging elements (pixels) on a 200-micron pitch. Scintillator thickness and electronic noise are optimized to produce extremely high detective quantum efficiencies (DQE), both at record and fluoroscopic doses.

#### X-RAY Tube

The GE Revolution digital flat panel detector can translate a wide range of X-ray exposure intensities into digital signals without saturation. When applied, proprietary DRM image processing transforms this information for display without loss of detail over a wide range of anatomical densities. The wide dynamic range of the detector, coupled with 14-bit acquisition and patented image processing, enables excellent visualization of low contrast objects. The system is configured with a removable anti-scatter grid to maximize image quality during routine imaging. Removal of the grid can improve the X-ray dose efficiency for infants (e.g. less than one year old) for field of view (FOV) smaller than 20 cm (7.9 in). The Discovery IGS 7 system uses a 100 kW high-frequency Jedi three-phase power unit that provides grid pulsed fluoroscopy capability. Automatic X-ray technique calculation provides a tube-rating chart that calculates maximum exposure time based on the selected protocol, kV, mA, focal spot and available heat units. Fluoroscopy and radiography exposure times and mA are automatically controlled by the dynamic exposure optimization system. The range of mA is limited by X-ray tube ratings and regulatory limits. A fluoroscopic timer captures the fluoroscopic procedure time (reset time is every five minutes).

#### The InnovalQ table

The InnovalQ Table is a fully motorized tilting table featuring motorized longitudinal and lateral motions even when tilted for effortless, automated and flexible positioning. Variable-force positioning allows for smooth and precise motion over the complete range of speeds, particularly at low positioning speeds when more positioning accuracy is needed. Horizontal eight-way float movement also permits manual panning. It supports a load up to 320 kg and allows imaging coverage with table panning up to 195cm with table dimension: 333cm in length and 46cm in width.

#### User interface

The SmartBox provides a simple control of the positioner and the table. A second SmartBox can be added at tableside or in the control room.

The TSSC provides simple access to key acquisition and review parameters throughout the exam. A second TSSC can be added at tableside or in the control room.

The Central Touch Screen lets the user control the system functions as well as integrated equipment.

Smart Nav is an innovative solution to control some system functionalities from tableside and from the control room. It allows fast function access in displaying menu controls on the reference monitor upon user request. With Smart Nav, the user can keep his/her attention on the screen monitors where clinical images are also displayed. Smart Nav is controlled from the Central Touch Screen, local keypad or remote keypad, providing intuitive and context-based navigation.

Fluorostore stores, displays, and plays loops of the last 450 (up to 900) fluoro images at the push of a button for streamlined image review, helping to avoid extra images and exposure.

In Room Browser display the sequences previously acquired on the in-room monitor for interactive table-side selection and review. The Discovery IGS 7 system facilitates image management and workflow using standard format and

communication protocols. It also features close integration with the AW and CA1000 workstations to provide advanced image review and processing capabilities.

Data acquisition is at 14 bits

Dynamic and chase images are stored in 8 bits, maximum 450 images per sequence. Storage capacity: 136,000 dynamic and chase images?

DSA and breeze images with 12 bits data are stored in 16 bits, maximum 450 images per sequence. Storage capacity: 68,000 DSA and breeze images?

DICOM images are output on 100Mbit Ethernet with Autosend and background transfer for fast transmission with minimal user interaction.

The user can do full resolution 1024 x 1024 DICOMpush to retain image quality at acquisition (configurable to 512 x 512 for cardiac acquisitions)?

Patient Worklist capability provides a single point of entry of patient data, helping enhance staff productivity and minimize clerical errors: Patient information can easily be imported to the digital imaging system from information systems that support DICOM Worklist Service Class Provider

Multi-destination Push enables images to be sent to multiple remote DICOM destinations sequentially. Multi-destination Push helps support a clinical scenario of handling post-processing and archival activities in multiple destinations independently of each other (workstation, PACS)?

MPPS: Modality Performed Procedure Step allows to share the main exam parameters with the hospital information system.

For the 3DCT/ 3DCTH option, the users can direct-push the 3D acquisition directly to the GE AW workstation, even if the images of the exam are pushed to a PACS or another archiving system.

Line	Qty.	Catalog	
2	1.00	S18061EB	2nd IP8X Ed3 Footswitch for control room

2nd IP8X Ed3 Footswitch for control room

Line	Qty.	Catalog	
3	1.00	S18461JB	Additional Ctrl Room 48 cm-19 inch Live LCD HB Monitor - with pedestal

Additional Ctrl Room 48 cm-19 inch Live LCD HB Monitor - with pedestal

Line	Qty.	Catalog	
4	1.00	S18461AS	19"LCD MON.STAND W ANTI-SEISMIC KIT

Monitor Stand with anti-seismic kit for 19 inch LCD monitor

Line	Qty.	Catalog	
5	1.00	S18461LG	LINKSET DIGITAL and ANALOG US

Link Set for Digital and Analog Ultrasound

Line	Qty.	Catalog	
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6      4.00      S18461JH      Optical Video Distribution kit

This kit allows to provide the native Live (or Reference or Live2) signal output of the Interventional system to a third-party receiver (e.g. video distribution system, video recorder). The kit contains one 30m optical fiber, the corresponding DVI-D convertors. One medical grade power supply for the optical DVI-D receiver is also provided, to be powered under the customer/third party responsibility.

Line	Qty.	Catalog	
7	1.00	S18461HD	Output HD 2MP 8MP

Output HD, 2MP/8MP for Large Display Monitor

Line	Qty.	Catalog	
8	1.00	S18461LH	LINKSET EP MAPPING

Link Set for EP Mapping

Line	Qty.	Catalog	
9	1.00	S18461LV	LINKSET IVUS

Link Set for IVUS Volcano

Line	Qty.	Catalog	
10	1.00	S18461LY	LINKSET OPEN2

Link Set Open 2

Suitable for anesthesia monitors, camera, etc.

Line	Qty.	Catalog	
11	1.00	S18461LX	LINKSET OPEN3

Link Set Open 3

Suitable for Veran, anesthesia monitors, camera, etc.

Line	Qty.	Catalog	
12	1.00	S18461AD	ANALOG TO DIGITAL CONVERTOR KIT

Analog to Digital Converter Kit

Line	Qty.	Catalog	
13	1.00	S18771FV	Large Display Monitor Protective Screen

Line	Qty.	Catalog	
14	1.00	S18391PZ	Kit to Interface 3rd party Suspension for LDM with 36m Cable

Kit to Interface 3rd party Suspension for LDM with 36m Cable

Line	Qty.	Catalog	
15	1.00	S18461NQ	Large Display Solution with Video Server 16 inputs.

Large Display Solution with Video Server 16 inputs.

Line	Qty.	Catalog	
16	1.00	S18751SJ	Sub-No Sub Fluoro Display Kit

Sub-No Sub Fluoro Display Kit

Line	Qty.	Catalog	
17	1.00	S18061MS	UNIVERSAL SOCKET

Universal socket for InnovalQ Table with Tilt

- OR Table

Needed to attach surgical accessories.

Line	Qty.	Catalog	
18	1.00	S18061MK	ACCESSORIES CART

Accessories Cart

- Used for Patient Comfort Accessories with the InnovalQ Table with Tilt and OR Table

Line	Qty.	Catalog	
19	1.00	S18061MH	HEAD SUPPORT WIDENER

Head support widener for InnovalQ Table with Tilt and OR Table

Line	Qty.	Catalog	
20	1.00	S18061NR	REMOVABLE RAILS-US SIZE

Removable Rails at surgical size for InnovalQ Table with Tilt

Line	Qty.	Catalog	
21	1.00	S18061NA	Set of 2 ARM BOARD WITH THICK PAD - US SIZE

Set of two arm boards with thick pad for InnovalQ Table with Tilt

The armboard with thick pad/cushion (armrest) is mounted on the removable rails (sleeve) to support patient arms. The armrest is clamped on the removable rails. The armboard position can be adjusted by lifting and rotating its extremity to the desired angle.

Line	Qty.	Catalog	
22	1.00	S18061MC	ANESTHESIA SCREEN HOLDER W by 2 EASY LO

Anesthesia Screen Holder for InnovalQ Table with Tilt

- Includes two easy lock sockets

Line	Qty.	Catalog	
23	1.00	S18061NT	TSUI ADAPTOR and CMD EXTENDER-US SIZE

TSUI Adapter and CMD Extender for InnovalQ Table with Tilt and OR Table

Includes:

An extra rail at "GE size" to attach to the removable rails at surgical size to be able to attach our table side user interface (TSUI) on the "trunk" section of the table.

An extension of the cable management device (CMD) that holds all the TSUI cables together and is attached to the table. Is needed when TSUI is attached closer to the patient's head further away from the cable connectors.

Line	Qty.	Catalog	
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24 1.00 S18061NH HEAD RAILS EXTENDER-US SIZE

Head rails extender for InnovalQ Table with Tilt and OR Table

Line	Qty.	Catalog	
25	1.00	S18061NP	PATIENT RESTRAINT STRAP-US SIZE

Patient restraint strap for InnovalQ Table with Tilt and OR Table

Line	Qty.	Catalog	
26	1.00	S18061NE	EASYLOCK SOCKET-US SIZE

Easy lock socket for InnovalQ Table with Tilt and OR Table

Line	Qty.	Catalog	
27	1.00	S18061MV	Table Width Extender

Table width extender for the InnovalQ Table with Tilt and OR Table

This is an accessory that can be mounted on both sides of the table to increase the support surface and improve comfort for large patients.

Line	Qty.	Catalog	
28	1.00	S18061AZ	Head Extender

Line	Qty.	Catalog	
29	1.00	S18621SB	2nd SmartBox for Discovery

SmartBox for Discovery

Line	Qty.	Catalog	
30	1.00	S18621TS	2nd TSSC for Discovery

TSSC for Discovery

Line	Qty.	Catalog	
31	1.00	S18061EH	Wireless Footswitch Monoplane

Line	Qty.	Catalog	
32	1.00	M81521KC	AW VolumeShare 7 for Interventional with 32GB of RAM. DOES NOT include Volume Viewer

AW VolumeShare 7 is a multi-modality image review, comparison and post processing workstation built with simplicity and power at its core. Powerful software is optimized to take advantage of state of the art 64 bit technology and multiple cores to ensure leading edge performance.

AW VolumeShare 7 features include:

Hardware:

- o HP Z440 Workstation
- o CPU: Intel Xeon E5-1660v3 (Haswell) Eight-Core @ 3.0 GHz with 20MB L3 Shared Cache each with Dual QPI @ 8 GT/s
- o RAM: 32GB (8x4GB) Four-channel DDR4 ECC RSIMM @ 2133 MHz
- o GRAPHICS: NVIDIA Quadro NVS310 with 1 GB Video RAM
- o 1x 256GB SATA3 SSD for OS and Apps
- o 2x 512GB SATA3 SSD in RAID 0 for 1TB data storage
- o VGA Video Convert Kit

Software:

- o GE Healthcare HELIOS 6 operating system
- o Demo Exams for training and exploration
- o Fast access to information you need through optional RIS integration & priors post-fetch
- o Efficient workflow through dynamic load, end review and Key Image Notes features
- o Productivity package to pre-process exams and allow up to 8 simultaneous sessions
- o Applications usage monitor to track and view usage of your system
- o Smart layouts with Volume Viewer General review protocol that optimizes comparison and single exam layouts
- o Enhanced multi-modality contouring tool with support for PET SUVs
- o Support for external DICOM USB media and preference management tool to exchange preferences across users
- o Support for optional, broad suite of multi-modality advanced applications

Line	Qty.	Catalog	
33	1.00	M80281AA	AW VolumeShare 7 Monitors

AW VolumeShare 7 Monitors are two high-quality monitors offering bright and high contrast imagery suited to the display of medical images per the AW VolumeShare Indications for Use. Each provides a 19" 1280x1024 (5:4 aspect ratio) display that complies with international medical and patient safety standards and offers the following specifications:

- Maximum luminance (panel typical) : 330 nit
- DICOM Part 14 calibrated luminance: 215 nit
- Contrast ratio (panel typical) : 900:1
- An ambient light sensor
- Brightness non-uniformity (measured as per DIN6868-157) : +/-25%

Line	Qty.	Catalog	
34	1.00	S18021VH	Volume Viewer Interventional

Volume Viewer Interventional is software package including Volume Viewer and Volume Viewer Innova.

Volume Viewer provides excellent 3D visualization and processing capabilities for reading and comparing CT, MR, 3D X-ray, PET, PET/MR and PET/CT datasets. Volume Viewer also features a broad portfolio of high performance analysis tools, automating routine tasks and helping to make 3D image processing a stress-free component of the routine workflow. Volume Viewer Innova is an option of Volume Viewer that enhances the workflow to process the X-Ray, CT and MR 3D models in order to assist the user during clinic practice. This processing is intended to provide visualization of anatomical structures for interventional procedures. Volume Viewer Innova allows the user to store and retrieve the processing performed, in order to facilitate the early preparation of the intervention as well as further reviewing and reporting.

Line	Qty.	Catalog	
35	1.00	M81501RB	32GB to 64GB Memory Upgrade

Increasing RAM is important to support processing of larger volumes of data generated with sophisticated post processing applications, larger average slice counts or multi-dimensional modalities such as MR and GSI.

Line	Qty.	Catalog	
36	1.00	S18021CF	Cardiac X-Ray Analysis

Cardiac X-Ray Analysis

Line	Qty.	Catalog	
37	1.00	S18121VR	Vessel ASSIST

Line	Qty.	Catalog	
38	1.00	S18121VS	Valve ASSIST 2

Line	Qty.	Catalog	
39	1.00	S18021XA	TAVI ANALYSIS

TAVI ANALYSIS

Line	Qty.	Catalog	
40	1.00	S18751EH	ECG Acquisition Package

ECG Acquisition Package

ECG Acquisition Package provides acquisition and storage capabilities of the ECG signals. The system will display heart rate value on the console and live monitor. ECG Acquisition Package enables cardiac gating and image stabilization during the Innova EPVision application.

Compatible with recording system outputs providing analog ECG signals comprised between +/-5 V. Connection cable compatible with Maclab, Cardiolab, Combolab and some Bard and Philips recording systems are provided with this package. ECG Acquisition Package requires Advanced Innova Software Package.

Line	Qty.	Catalog	
41	1.00	S18621TA	Arm imaging Trajectories

Arm Imaging Trajectories

The Discovery IGS gantry moves along pre-programmed trajectories. The arm imaging trajectories are a set of additional trajectories designed to image the patient's arms from either the left or the right side of the table, while optimizing access to the patient for the physician during imaging.

Line	Qty.	Catalog	
42	1.00	S18751BR	Blended Roadmap

Blended Roadmap

Blended Roadmap is a vascular roadmapping application that superimposes a previously acquired vascular image over live fluoroscopy. Clinicians can select any DSA or bolus image as a reference roadmap image. By using it multiple times, it has the potential to minimize contrast media injections during roadmapping. Blended roadmap provides additional features to enhance roadmapping procedures:

- Adjustment of the subtraction level
- Adjustment of the vessels transparency
- Automatic resizing of the roadmap image to adapt to the fluoroscopic field of view
- Pixel shift of the vessel image to compensate for motion

Blended Roadmap is available on systems with either Omega V or InnovaIQ tables. Blended Roadmap requires the Advanced Innova Software Package. On the biplane systems it can be applied to one frame at a time.

Line	Qty.	Catalog	
43	1.00	S18811PA	Analysis Package

Quantitative Analysis Package

Stenosis Analysis Package on DL Digital System

The Stenosis Analysis Package is an application designed for estimating vessel dimensions and relevant parameters of the arterial Stenosis morphology in X-Ray angiography. The system is capable of automatic detection of vessel edges and display of stenosis severity.

**Left Ventricular Analysis Package**

The Left Ventricular Analysis Package is an expert reporting tool designed to estimate wall motion dynamics of the left ventricle, and to perform Global Ejection Fraction Analysis in X-Ray angiography. The system is capable of providing Wall Motion and Global Ejection Fraction measurements. Wall Motion is built on the centerline method.

GEF analysis is calculated using both Simpson's rule method and the Dodge-Sandler area-length method

**Cardiovascular Analysis Package (on DL system)**

The Cardiovascular Analysis Package includes both the Stenosis Analysis Package and the Left Ventricular Analysis Package.

The Stenosis Analysis Package is an application designed to estimate vessel dimensions and relevant parameters of the arterial Stenosis morphology in X-Ray angiography. The system is capable of automatic detection of vessel edges and display of stenosis severity.

The Left Ventricular Analysis Package is an expert reporting tool designed to estimate wall motion dynamics of the left ventricle, and to perform Global Ejection Fraction analysis in X-Ray angiography. The system is capable of providing Wall Motion and Global Ejection Fraction measurements (GEF). Wall Motion is built on the centerline method.

GEF analysis is calculated using both Simpson's rule method and the Dodge-Sandler area-length method.

Line	Qty.	Catalog	
44	1.00	S18741BX	InnovaBreeze Option

InnovaBreeze allows the user follow the contrast using variable panning speed control in the control room while looking at subtracted images in real time. InnovaBreeze includes Advantage Paste, an application running on AW VolumeShare Workstation.

Line	Qty.	Catalog	
45	1.00	S18931ND	Dose & IQ Optimization package

Line	Qty.	Catalog	
46	1.00	S18921LE	PCI Assist

PCI ASSIST is a commercial package that includes the following features:

High Contrast Fluoro - Organs in motion generate image blurring, which can make it difficult to assess the size of the lesion as well as stent deployment. To overcome this challenge, we increased the mA peak up to 36%, and decreased the pulse width by 25%. While the dose is equivalent, it is delivered in an efficient way that helps significantly reduce the blurring in the image due to organ motion.

StentViz - StentViz enhances visibility of the stent structure. It is particularly useful in verifying placement and deployment of stents during coronary interventions where moving arteries could make visibility challenging. StentViz processing is fully automated and can be launched at the press of a button on the Central Touch Screen at tableside. The result is automatically displayed on the reference monitor and shows two zoomed and enhanced images of the stent: One with the guidewire in view and a second one with the guidewire subtracted out in the area between the two balloon markers to allow excellent visualization of the stent struts or borders.

StentVesselViz - StentVesselViz Being able to see the position of stent into the vessel is especially critical in cases of complex clinical situations such as bifurcations or calcified lesions. A complete apposition of stent onto vessel wall can contribute to prevent stent thrombosis & restenosis. StentVesselViz improves the user confidence in the assessment of the position, correct deployment and shape of the stent in relation with the vessel in 2D versus cine. Thanks to an intuitive workflow, StentVesselViz is operated smoothly and can help the user position and expand stent The StentVesselViz option delivers from a single acquisition a StentViz image and then the fusion of this one with an image of the injected vessel. Those two images are automatically fading together for

optimized and simultaneous visualization of stent into the vessel pre and post deployment.

Line	Qty.	Catalog	
47	1.00	S18701CY	3D CT HD for IGS x30

3DCT HD is intended for imaging vessels, bone, soft tissues, and other internal body structures. It helps physicians in diagnosis, surgical planning, interventional procedures and treatment follow-up. 3DCT HD offers 3 rotation speeds: 16, 28 and 40 degree/sec and 4 different field of views. It utilizes automatic exposure technique to optimize image quality and dose all along the rotational acquisition.

Transfer of the acquired data to the AW workstation is automated including image reconstruction, processing and display. 3DCT HD embeds a scatter artifact reduction technology. The resulting 3D model can be visualized as axial slices and volume rendering. Slice reconstruction for 3DCT HD can be exported as DICOM CT format.

Line	Qty.	Catalog	
48	1.00	S18741TN	Innova Subtracted 3D

#### Innova Subtracted 3D

Innova Subtracted 3D enhances the Innova 3D application by adding automated sequential mask and contrast spin acquisitions with processing protocols to produce subtracted 3D vascular images. Clinicians may use Subtracted 3D to quickly visualize vessels without the need to remove surrounding bone, tissue, and implanted devices. The output of the 3D processing provides convenient side by side and separate visualization of the mask series, the subtracted vascular anatomy and the standard 3D vascular images.

The mask image can be fused onto the subtracted image and their transparency can be adjusted for optimal visualization of the implanted devices in relationship to the vascular anatomy. Innova Subtracted 3D requires the following: Innova 3D, AW VolumeShare5 or higher, and the Advanced Innova Software Package.

Line	Qty.	Catalog	
49	1.00	S18711VX	INTERACT ViewX

#### INTERACT ViewX

Line	Qty.	Catalog	
50	1.00	S18771DA	FE Letter - QC mode Option activation

#### FE Letter - QC mode Option activation

Line	Qty.	Catalog	
51	1.00	S18761PP	NPA PDU Main Transformer-24KVA

The Power Distribution Unit provides power for the components of the system and centralizes the ON/OFF function

Line	Qty.	Catalog	
52	1.00	S1875PK	FLUORO UPS 20 KVA UL

GE Digital Energy 20KVa UPS for Innova Systems

Line	Qty.	Catalog	
53	1.00	E4502YB	Seismic Kit for E4502JJ and E4503MM UPS

Line	Qty.	Catalog	
54	1.00	E46001BA	Main Disconnect Panel (MDP) UL 100A 480VAC 60Hz three phases for Vascular systems

The Main Disconnect Panel (MDP) panel serves as the main power disconnect between the PDU (Power Distribution Unit) of GE Vascular system and its optional Fluoro UPS (20kVA) if present, and the facility power source. The optimized design MDP saves time, installation labor, and valuable mounting space by consolidating the main circuit breaker, control power source and required warning lights provisions into a compact factory manufactured panel. The panel provides short circuit protection, overload protection and National Electrical Code and Canadian Electrical Code required emergency shutdown for the system. It provides LOTO (lock out – tag out) functions for safe service operation, and is part of the EPO (Emergency Power Off) function.

#### Standard Applications

For installations of Vascular systems from Cerber B forward production and beyond (not backward compatible). Not intended for seismic installations in California.

#### Benefits

- The System Main Disconnect saves time, installation labor, and valuable mounting space by consolidating the main circuit breaker, the feeder overcurrent devices, magnetic contactors and UPS emergency power-off into one compact panel
- Reduces installation time and cost by eliminating delays in obtaining individually enclosed components and by eliminating on site assembly
- UPS emergency power-off functions are included for future, partial system UPS addition.
- Disconnects system power on first loss of incoming power, preventing damage to system components
- Provides a standardized platform for UPS or other future GE engineered modifications or upgrades
- Main power disconnect operating handle can be padlocked in the OFF position for servicing safety and OSHA lock out/tag out
- The door has provisions for padlocking
- Enclosure door is interlocked with ON / OFF disconnect handle to prevent unauthorized access if disconnect is in the ON position

#### Features

- Fluoro UPS breaker output
- UL and cUL listed
- Supplied with 24V system emergency off push button and long-life LED pilot lights mounted on front side
- Power disconnection is accomplished via the door mounted emergency OFF push button.
- Suitable for use on systems with 50,000A or less for compliance to all electrical codes
- 100-ampere circuit breaker rating furnished for use with GE Vascular system
- Holds up to 95 mm<sup>2</sup> cable connections for the three phases of incoming and outgoing breakers
- Terminal block for Neutral connection
- Panel disconnect provides OSHA lockout / tag out provisions
- Factory wired and tested

### Physical Characteristics

- Dimensions: Height x Width x Depth: 615 x 415 x 230 mm (24.21" x 16.34" x 9.05")
  - Handle depth: 46mm (1.81")
  - Weight: approximately 19 kg (41,9 pounds)
- Components supplied with each panel

- The Main Disconnect Panel
- Installation, Operation & Service Manual
- Drawings and Electrical Schematics

Line	Qty.	Catalog	
55	1.00	S18741TC	ELEGANCE ADD-ON KIT AGIL.

### Elegance Table Plate

Line	Qty.	Catalog	
56	1.00	S18101SY	AGV Room Template

### AGV Room Template

Line	Qty.	Catalog	
57	1.00	E70381AF	Mark 7 Arterion injector on table-floor mount I-W - GE Innova package

The Mark 7 Arterion is light, maneuverable and easy to use. Less time positioning and setting up the Arterion means more time with the patient. The clearly visible and intuitive user interface guides you through proper set-up, and highlights the information you need to perform injections confidently.

- Ergonomic handle for easier maneuverability
- Front load syringe for simple insertion and clean removal
- Syringe provides a clear view of the contrast
- Light injector head with a handle to make it easier to position for injection
- Adjustable table rail mount kit
- Bright and colorful intuitive user interface is designed to highlight the information you need
- Highlighted armed state to know when the system is ready to inject
- History and protocol screens to easily access the amount of contrast delivered to the patient and store and recall protocols
- Clear heat maintainer to keep contrast temperature constant

GE Configuration - Table Mount with Floor Mount Rack

Medrad Mark 7 Arterion injector can now be mounted at table-side on the Discovery IGS platform equipped with the Innova IQ table. This configuration includes:

- Two adjustable table rail mount devices to allow for the mounting of the injector head and the DCU on the IQ table rail.
- The power rack is set on a floor mount bracket in proximity to the table, instead of the technical room.
- The injector power rack is connected to the Innova IQ table using the GE interface cable.

GE Interventional Procedures Package Overview

- Base system includes injector head, power rack and display console unit
- Adjustable table rail mount kit for DCU
- Adjustable table rail mount kit for injector head
- Floor mount bracket for power rack
- Hand Switch H 12 ft (3.6 m) with mount kit

- Display cable 10 ft (3.48 m)
- Syringe heat maintainer
- Power cord - North America and Japan 110 V
- Power cord - International 220 V
- GE cabinet interface cable, 20 in (6.09 m)
- GE table interface cable, 15 ft (4.57 m)
- Equipotential cable, 16.4 in (5 m), EP plug and ring lug
- Operator's manual
- Service manual
- Warranty paper work
- CD with multi-language operator's manuals
- Installation, customer's operational training at time of installation and one year full on-site warranty in Bayer service countries

#### System Specifications

##### Weight

- Injector head with bedrail mount 13.4 lbs (6.1 kg)
- Display console unit (DCU) with mounting bracket 6.8 lbs (3.1 kg)
- Power unit (PU) 11 lbs (5.0 kg)

##### Size

- DCU maximum height from bedrail: 17.5 in (44.5 cm)
- Head maximum height from bedrail to level syringe tip: 18 in (45.7 cm)
- Head minimum height from bedrail to level syringe tip: 13 in (33 cm)

##### Electrical

- Voltage 100-240 VAC single phase
- Frequency 50/60 Hz
- Power: 1000 VA

##### Injector

- Flow rate ranges: 0.1 - 59.9 ml/m in 0.1 ml increments, 0.1 - 45.0 ml/s in 0.1 ml increments
- Syringe size: 150 ml
- Volume: 1 - 150 ml in 1 ml increments
- Volume accuracy:  $\pm$  (1.5% programmed volume+2) ml
- Pressure limit range: 100 - 1200 psi in 1 psi increments
- Pressure accuracy:  $\pm$  30 psi
- Programmable rise time: 0.0 - 9.9 seconds in 0.1 s increments
- Programmable Delay time: 0.0 - 99.9 seconds in 0.1 s increments
- Manual fill speed range: 1 - 20 ml/s user controlled via fill stripped
- Auto fill speed range: 1 - 10 ml/s in 1 ml/s increments, user programmable
- Auto fill volume: 1 - 150 ml in 1 ml increments, user programmable
- Protocol memory: 40 protocols
- Injection memory history: 50 injections

##### Environmental (operating)

- Temperature: +15° C to + 40° C (+50° F to +104° F)
- Humidity: 20% to 93% relative humidity @ 40° C non-condensing
- Air pressure: 70 kPa to 110 kPa

##### Environmental (non-operating)

- Temperature: -20° C to +60° C (-4° F to +140° F)
- Humidity: 5% to 100% R.H. non-condensing
- Air pressure: 57 kPa to 106 kPa

##### Syringe Heater

Operating temperature: maintains fluid to 37° C (98° F)

##### Consumables

- Syringe interface: front load with drop arm retention
- Syringe size: 150ml (volume)

Line	Qty.	Catalog	
58	1.00	E7100RS	Raysafe i2 Package

Includes:

- 1 - E7100RA Raysafe i2
- 4 - E7100RB Additional Raysafe Dosimeter
- 1 - E7100RC Raysafe Dose Manager Software
- 1 - E7100RD Additional Raysafe Rack

RaySafe i2 dosimetry system provides real-time, accurate and easy-to-interpret dose information. It helps healthcare workers to better understand scatter radiation and decide when it is time to adjust their working behavior to avoid unnecessary exposure. By continuous control of exposure data it is possible to reduce dose to the personnel. Clinical studies have indicated around 30-40% staff dose reduction.

Line	Qty.	Catalog	
59	1.00	E7060A	OMEGA FOOT END TABLE RAIL (EA)

#### Omega Foot End Table Rail

This Omega footend table rail will help mount tableside controls and other accessories at the end of an Omega III vascular table to provide more tableside workspace for the physician and technologist, as well as improved access to the patient. A special adapter attaches to the existing side table rail, providing a standard table rail at the foot of the table. System controls can be placed at two locations for greater flexibility. It also allows easier table-end panning, as well as a location to mount a Smarthandle, IV controls and more. It is constructed of heavy gauge stainless steel, and measures 30.5 in. W with a 4 in. L offset and 14 in H posts with variable height adjustment. Also includes rail with mounting posts and two clamps for attachment to the side table rails...H

Line	Qty.	Catalog	
60	1.00	E6415J	TABLE CLAMP REMOTE PAN

#### X-Ray Table Clamp for Remote Panning Handle

##### FEATURES/BENEFITS

- Designed for an Omega cardiac/vascular table
- BIG AL clamp allows the operator to position the table remote panning handle at the end of the angio table on either the right or left side
- The location of the handle can be customized to meet the needs of the individual operator
- Option will support clinical studies such as TIP's procedures, or any procedure where the operator needs to position and operate the table from the patient's head and neck area

##### SPECIFICATIONS

- Metal clamp: 3" x 3" x 7" box weighing 6 lbs

##### COMPATIBILITY

- GE Omega cardiac/vascular tables

Line	Qty.	Catalog	
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61 1.00 E6420BJ HB-1 Armboard

HB-1 Armboard w/Horizontal Rotation

FEATURES/BENEFITS

- Designed for easy placement and removal from under patient before or during procedures
- Allows for unobstructed fluoroscopy or catheter placement during an axillary or antecubital approach
- Facilitates optimum patient comfort
- Pivots 180 degrees in the horizontal plane
- Can be used for either left or right approach

SPECIFICATIONS

- Constructed of strong, lightweight Kevlar based material

Line	Qty.	Catalog	
62	1.00	E6420BK	HB-1 Armboard Pad

Armboard Replacement Pad Set

This set of 10 foam replacement armboard pads can be used on the E6420BJ horizontal armboard

Line	Qty.	Catalog	
63	1.00	E6412DA	CLEAR VU SUPPORTS-ONE PAIR (PR)

Clear-Vu Arm Supports, One Pair..H

Dimensions: 11-1/2 x 15-3/4 x .177" thick. Sold Per Pair

Line	Qty.	Catalog	
64	3.00	E3053JB	Mavig Double Pivot, Flexible Lower Body Protector

Mavig Flexible, Double-Pivot Lower Body Protector Provides convenience, flexibility and enhanced protection for medical personnel. Helps shield technicians against scatter radiation from sources beneath the tabletop and also helps to protect the lower extremities. Flexible 0.5 mm lead equivalent curtains attached to aluminum alloy pivoting arm. The entire lower body protector can be easily and quickly removed from the table. Warranty Code H- 6 Months: Exchange of non-conforming products, which you return to us during the warranty period. Note: Installation, parts, applications training and on-site service is the buyer's responsibility. • This model is designed to offer enhanced protection in combination with tiltable tables • Performance angle +/- 150 • Adjustable brakes for lower shields • Left and right table mounting with a single adapter Similar features of the E3053J model

Line	Qty.	Catalog	
65	1.00	E3053CH	Contour Shield 76 x 61 cm - with center connect

Contour Shield 76 x 61 cm (with center connect)

Line	Qty.	Catalog	
66	1.00	E4502SS	NR - X-Ray Warning and Room Lighting Control Panel

The X-Ray in use Warning and Room Lighting Control Panel provides an interface between the X-Ray in use warning lights, interior room general lighting, and the X-Ray system. The X-Ray in use portion of the panel provides low voltage control of the X-Ray in Use Warning Lights and the room general lighting is controlled by a pre-wired foot switch

- Designed and tested for GEHC products, for use in CT, PET/CT and X-Ray applications
- Can eliminate procurement inconveniences and delivery delays often associated with acquiring individual components
- Improves servicing safety by the eliminating of the warning light/room general lighting circuit from the imaging control system cabinet.

Line	Qty.	Catalog	
67	1.00	E6220J	INTERCOM SYSTEM FOR X-RAY

VIS-A-VIS Vitalinq Intercom System for X-ray

The VIS-A-VIS Vitalinq intercom system for X-ray is a two-way communication system that is designed to meet the specific needs that arise during diagnostic and interventional procedures. It enables physicians to have continuous two-way conversation with the control room operator during diagnostic and interventional procedures.

#### FEATURES/BENEFITS

- Capable of picking up conversation in a normal tone of voice, Vitalinq allows control room operators to respond immediately to physicians' requests
- Larger format and unique pyramidal construction of the microphones contribute to Vitalinq's high intelligibility, even within the acoustically active space of a full-functioning procedure room
- Designed to minimize the loss of articulation by reducing the potential echo path it gathers and transmits speech in a highly efficient manner

#### SPECIFICATIONS

- Dimensions: 24" x 24" x 20"
- Weight: 47 lbs.

#### NOTES:

- INSTALLATION IS THE RESPONSIBILITY OF THE CUSTOMER
- Warranty Period 6 months - Exchange of non conforming products, which are returned to GE during warranty period.
- Installation, parts, application training and onsite service is the buyer's responsibility

Line	Qty.	Catalog	
68	1.00	E7058AB	Anti fatigue floor mat gray 3x5x.625in

GE Anti-Fatigue Floor Mat (Gray 3x5 x 5/8")

Line	Qty.	Catalog	
69	5.00	E3053DS	ERGO APRN M650 120CM NAVY

Ergonomic Apron - Model 650

- Lead-protective shoulder straps simplify removal
- Lightweight, yet provides full protection on the front section and underneath the shoulder
- Comfortable, wide cross straps allow easy sliding of the apron beneath a surgical coat

Line	Qty.	Catalog	
70	5.00	E3053DY	THYROID SHLD MDL 614 NAVY

Line	Qty.	Catalog	
71	2.00	E3053EY	MOBILE APRON RACK 5 ARMS

Mobile apron rack - 5-arm

- Holds up to five aprons
- Position at any convenient location, and move as required
- Easy apron selection with swiveling, shoulder-shaped hangers

Line	Qty.	Catalog	
72	1.00	Services-CE-Americas-Launch-CV-Apps	Launch CV Applications Training

Line	Qty.	Catalog	
73	1.00	W0302CV	TIP Vascular System Group 2 Training Program

This training program is designed for customers purchasing a GEHC Vascular system to include IGS6 and IGS7. GEHC will work with the designated Customer contact to agree upon a reasonable training schedule for a pre-defined group of core technologists that will leverage blended content delivery and may include a combination of onsite days and virtual offerings, to include TiP Virtual Assist, the GEHC Answerline, and available on-demand courses ("Virtual Inclusions"). This blended curriculum with multiple delivery platforms promotes learner retention and allows for an efficient and effective skill development.

This program may contain:

- Onsite training (generally 16 days)

- Virtual Inclusions may include:

o Remote instructor-led training: Instructor leads a remote training session one-on-one or in a group, typically for 1 hour

o Answerline Support-Access to GEHC experts for clinical, non-emergency applications assistance via phone or by using the iLink button on the imaging console

o Tip Virtual Assist-Direct interactive access to a GEHC expert for enhanced support.

o On Demand courses-On healthcare learning system. Self-paced courses and webinars (CE and non-CE).

Onsite training days will be mutually agreed upon, but generally will not exceed 20 days. Onsite training will be provided from 8am-5pm local time Monday-Friday. Virtual Offerings are unlimited. This training program has a term of six (6) months commencing on Acceptance, where all onsite training must be scheduled and completed within six (6) months of Acceptance, and all Virtual Inclusions also expire at the end of such six (6) month period. Additional onsite days may be available for purchase separately.

All GEHC "Training" terms and conditions apply. Given the unique nature of this program, if this program is purchased as part of a purchase under a Governing Agreement, including any Master Purchase Agreement, Group Purchasing Organization Agreement, or Strategic Alliance Agreement, this program shall take precedence over any conflicting training deliverables set forth therein.

Line	Qty.	Catalog	
74	5.00	W0310ALL	DAY OF APPLICATIONS TRAINING

A single day of applications delivered on a customer site for any GE Healthcare Imaging system, provided from 8AM to 5PM Monday through Friday. Customers will work directly with GE Healthcare to schedule appropriate times to deliver applications training.

This training must be scheduled and completed within 12 months after purchase.

Line	Qty.	Catalog	
75	3.00	E3053JG	Mavig Mobile Height-Adjustable Lead Acrylic Shield

Mavig mobile height-adjustable lead acrylic shield, 32 in. W x 45-75 in H. 0.5 mm lead equivalent

Warranty Period-6 months-Exchange of non conforming products, which are returned to GE during warranty period

Note: Installation, parts, application training and on-site service is the buyer's responsibility

## Optional Items

	Qty.	Description
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1.00

### ACIST CVI INJECTION SYSTM

#### ACIST CVi Injection System

The ACIST CVi System enhances ease of use, reliability and flexibility in contrast delivery. The adjustable control panel arm, X-ray synchronization capability, and easy-to-use, multi-procedure disposables increase both workflow and productivity. Responsive Angiotouch hand controller puts variable control of contrast volumes and flow rate at your fingertips. Responsive, variable rate delivery of contrast provides quality imaging with less contrast usage, which has been demonstrated to provide cost savings to the lab.

Line	Qty.	Catalog	
1	1.00	P0005LCED	CCW Single Site Invasive Workflow Only

Cardio Workflow software is the powerhouse for central application features for the cardiovascular information system, offered in a web enabled design. This software component is for CCW workflow only deployments. We have bundled our software components to offer a solid foundation and have included core workflow features including, HIS ADT interface, Scheduling Module, Unlimited Client Licensure, Inventory Management,, Built-In Statistical Tools, along with many clinician work list and user interface features. This software enables single site design and configuration with user defined security and end user setup features. This software includes the ability to consolidate all patient information into a single patient folder with relevant patient alerts, medical and procedural history, and exam level modality driven data. The application is a Windows based system with a SQL data base offers a single point of access for patient records and procedural reporting. With the option to add administrative tools such as

billing module and administrative statistical reporting provide a comprehensive package for automated department patient care workflow. This software provides shared, patient, or group centric clinical user work lists with the ability to custom configure based on location, user, or clinical modality. Primary Features Include: o Patient Folder Management o Document Flexible Workflow Designed User Interface o Web Based Architecture o Comprehensive Documentation Toolset o Department Workflow Management Tools CVIS SWKit & Core App Pkg Requirements: (System Information) o Turnkey HW, Customer Provided HW to Specification, or Customer Supplied VM Environment to Specification (See additional System Architecture Support Documentation) ITPS sold separately

Line	Qty.	Catalog	
2	1.00	P1000JKED	TEST CCW BASE SW NO RPT

Line	Qty.	Catalog	
3	1.00	P1000JG	CCW INT ORDERS IN

The CVIS HL7 Orders Inbound License enables procedural orders to follow into the CVIS database from physician order-entry systems to drive cardiology lab workflow by eliminating redundant data entry, minimizing data entry error, and synchronizing systems via real-time updates. Orders Inbound can drive DICOM MWL preparation by the CVIS system. ITPS services sold separately

Line	Qty.	Catalog	
4	1.00	P1000JL	CCW INT PDF RPT EXP

The CVIS PDF report export license allows conversion software DOC to .PDF file for clinical reports results interface. ITPS services sold separately

Line	Qty.	Catalog	
5	1.00	W0037CD	INVASIVE PRJ MGMT SVCS

INVASIVE PRJ MGMT SVCS

Line	Qty.	Catalog	
6	1.00	P0005ZJ	CVIS DATA MIGRATION DAY

Line	Qty.	Catalog	
7	1.00	P1000L	CVIS Cath WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow for

cardiac catheterization related procedures in additio

CVIS Cath WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow for cardiac catheterization related procedures in addition to list sharing management with GE Mac-Lab Hemodynamics recording system. Additional Cardio Workflow purchasable options can be added to enable a more comprehensive workflow. Integration and workflow variations should be discussed with your sales teams to identify the optimal configuration for your hospital or health system. This module is sold per data base instance and can be utilized across multiple locations. Please refer to the application matrix of validated modalities and devices for optimal connectivity. ITPS services apply and are sold separately

Line	Qty.	Catalog	
8	1.00	P1000LA	CVIS EP WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow for electrophysiology related procedures in addition to list

CVIS EP WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow for electrophysiology related procedures in addition to list sharing management with GE CardioLab EP recording system. Additional Cardio Workflow purchasable options can be added to enable a more comprehensive workflow. Integration and workflow variations should be discussed with your sales teams to identify the optimal configuration for your hospital or health system. This module is sold per data base instance and can be utilized across multiple locations. Please refer to the application matrix of validated modalities and devices for optimal connectivity. ITPS services apply and are sold separately

Line	Qty.	Catalog	
9	1.00	P1000LB	CVIS Structural Heart WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow for structural heart related procedures in ad

CVIS Structural Heart WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow for structural heart related procedures in addition to list sharing management with GE Mac-Lab Hemodynamics recording system. Additional Cardio Workflow purchasable options can be added to enable a more comprehensive workflow. Integration and workflow variations should be discussed with your sales teams to identify the optimal configuration for your hospital or health system. This module is sold per data base instance and can be utilized across multiple locations. Please refer to the application matrix of validated modalities and devices for optimal connectivity. ITPS services apply and are sold separately

Line	Qty.	Catalog	
10	1.00	P1000LC	CVIS IPV WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow for invasive peripheral vascular related procedures in add

CVIS IPV WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow for invasive peripheral vascular related procedures in addition to list sharing management with GE Mac-Lab Hemodynamics recording system. Additional Cardio Workflow purchasable

options can be added to enable a more comprehensive workflow. Integration and workflow variations should be discussed with your sales teams to identify the optimal configuration for your hospital or health system. This module is sold per data base instance and can be utilized across multiple locations. Please refer to the application matrix of validated modalities and devices for optimal connectivity. ITPS services apply and are sold separately

Line	Qty.	Catalog	
11	1.00	P1000LD	CVIS CRM Implant WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow and image management for cardiac implantable relat

CVIS CRM Implant WF Only: This module is designed to allow for enhanced workflow within the department without the adoption of structured physician reporting. This module enables administrative workflow and image management for cardiac implantable related procedures. Additional Cardio Workflow purchasable options can be added to enable a more comprehensive workflow. Integration and workflow variations should be discussed with your sales teams to identify the optimal configuration for your hospital or health system. This module is sold per data base instance and can be utilized across multiple locations. Please refer to the application matrix of validated modalities and devices for optimal connectivity. ITPS services apply and are sold separately

Line	Qty.	Catalog	
12	1.00	P1004RG	CLIN HL7 RPTS INT SVC-HL7

Results Integration for Clinical Reports via HL7 Textual Results provides remote professional integration services administered by the GEHC Interventional Professional Services HL7 Integration team.

Line	Qty.	Catalog	
13	1.00	P1004RH	CVIS HL7 ADT INTGRT

CVIS HL7 ADT Integration provides remote professional integration services administered by the GEHC ITPS Integration team to translate the hospital's ADT message to meet CVIS specifications. Services are redeemable within one calendar year of server installation or integration purchase order; whichever is later.

Line	Qty.	Catalog	
14	1.00	P1004RJ	CVIS HL7 ORDER IN INTEGR

CVIS HL7 Inbound Order Integration provides remote professional integration services administered by the GEHC ITPS Integration team to translate the hospital's order message to meet CVIS specifications. Services are redeemable within one calendar year of server installation or integration purchase order; whichever is later.

Line	Qty.	Catalog	
15	1.00	P1004RL	CLINICL RPTS INT SVCS PDF

The MacLab/Cardiolab PDF Results Integration enables outbound distribution of the clinical report from the acquisition device to

HIS/EMR in a .PDF format. Includes: DOC to .PDF file conversion software HL7 Results interface and message mapping software. Services are redeemable within one calendar year of server installation or integration purchase order; whichever is later.

Line	Qty.	Catalog	
16	1.00	P1004RW	CVIS HL7 CUSTM INTGR UNIT

The CVIS HL7 Custom Integration Unit provides remote professional integration services administered by the GEHC Integration team to perform unique interface configurations. Charges estimated per applied day of support. Services are redeemable within one calendar year of server installation or integration purchase order; whichever is later.

Line	Qty.	Catalog	
17	1.00	P1006BN	VISTA INTERFACE LICENSE

The VISTA Interface license enables outbound distribution of the Mac-Lab/CardioLab Clinical Report from the acquisition device to VistA Imaging in a .PDF format. The PDF file will be made available for pickup by the VistA Imaging application from the CVIS Administration Server. An accompanying HL7 message will be provided to VistA CP with the intent to close the order for the exam and identify the UNC Path of the Clinical Report associated to the study data for pickup by the VistA Imaging application.

Includes: DOC to .PDF file conversion software HL7 Results interface and message mapping software

Requirements:

- Available per CVIS Admin server
- CVIS HL7 Order In License, Integration and Project Management Services purchased separately
- VISTA Interface Integration Service purchase separately per VistA System

Line	Qty.	Catalog	
18	1.00	P1006BP	VISTA INTERFACE INT SVCS

VISTA Interface Integration Services provides remote professional integration services administered by the GEHC Interventional Professional Services HL7 Integration team. These services include:

Create shared folder structure on CVIS Admin server to support PDF file retrieval by VistA Imaging.  
 Setup VISTA Interface engine on CVIS Admin server  
 Validation testing support

Services are redeemable within one calendar year of server installation or integration purchase order; whichever is later.

Requirements:

VistA CP + Imaging applications provided by local VA Facility VISTA Interface License purchased separately

Customer Requirements:

Integration installation and testing require a remote connection to the CVIS system for the GEHC ITPS Integration team

Line	Qty.	Catalog	
19	1.00	Services-CE-Americas-Launch-INV-Apps	Launch INV Applications Training

Line	Qty.	Catalog	
20	1.00	W0037CD	INVASIVE PRJ MGMT SVCS

INVASIVE PRJ MGMT SVCS

Line	Qty.	Catalog	
21	1.00	2016376-095	CCW WITOUT PHYSICIAN REPORTING INSTALL

CCW WITOUT PHYSICIAN REPORTING INSTALL

Line	Qty.	Catalog	
22	2.00	P1705UG	USCAN ComboLab Altix Upgrade

ComboLab Altix Hemodynamic and EP Recording system software – Advanced system applications for display, recording, analysis and documentation of clinical data and events during adult and pediatric patient hemodynamic and electrophysiology studies. EP and Hemodynamic modules operate independently.

Clinical Features

Macros: Color initiated macros automates procedural workflow with user-defined procedure setups

ST Segment software: Real-time review of ST segment changes from user defined baseline during hemodynamic procedures

Cath Measurement Display Window: Real-time display of collective measurements acquired during the procedure.

Integrated FFR: Integrated Fractional Flow Reserve calculation

Editable Level of Pain / Level of Consciousness scales: Allows creation of user defined LOC/LOP scales

Ablation System Interface: Allows many ablation systems to send ablation data to CardioLab. Displays Time, Impedance, Power and Temperature

Interval Alignment Window with Triggered Sweep Display: Visualize data aligned on a common reference

Automated Interval Measurements: Automatically detect and display conduction intervals, SNRT, ARP, RRP

ETCO2 window - displays ETCO2 waveform, Respiration Rate, Inspiratory and Expiratory values (ETCO2 module/sensor required, sold separately)

System Security Features:

Encrypted data: Provides enhanced system security through data encryption

Automated User Tracking: Document who performed each procedure event

Esignature: Ability to lock and sign MS Word reports from within your system

Audit Trail: Documents details of many events, including system log-on, review study, continue study, print study, and other Interface/Data exchange

GE Data Export: Allows HL7 files from the system to be sent to other GE devices

GE ADT Import: Enables admission data to be received from GE data management systems via DICOM MWL

GE X-Ray Interface: Enables admission data to be sent to, and Radiologic information to be received from, GE X-Ray systems via DICOM MWL and MPPS Operating system and 3rd party Software

Also includes the following catalogs:

P1705CB Altix COMBOLAB COMPUTER

P1701HD HDMI AUDIO KIT

P1701AV VIDEO DISTRIBUTION KIT

P1701CU BARCODE SCANNER

P1961CA STANDARD COMPUTER ACCESSORIES  
P1005DF COMBOLAB ENGLISH LANGUAGE KEYBOARD  
P1700US Altix US LANGUAGE KIT  
P1701EZ W10 Printer Interface Kit  
P1705AC COMBOLAB UPG SW OPTIONS

Line	Qty.	Catalog	
23	2.00	P1961CP	Pre-Install Kit

Pre-Install kit contains required cabling for both new installation and upgrade to an existing system.

Line	Qty.	Catalog	
24	4.00	P1961CL	FIBER OPTIC FDDI CABLE PREINSTALL KIT FOR CARDIOLAB/COMBOLAB

FIBER OPTIC FDDI CABLE PREINSTALL KIT FOR CARDIOLAB/COMBOLAB

Line	Qty.	Catalog	
25	2.00	USCAN-Options-Altix	Options

Line	Qty.	Catalog	
26	2.00	P1967SA	MONITOR AND BOOM ACCESSORIES

INCLUDES:  
-MONITOR - EIZO FLEXSCAN S2133 LCD MONITOR 21" DIAGONAL, 4X3 ASPECT RATIO, 1600X1200 RESOLUTION  
-REMOTE MONITOR ACCESSORY KIT  
I-SOLATION TRANSFORMER

Line	Qty.	Catalog	
27	6.00	P1961BB	MONITOR

SINGLE VGA MONITOR DISPLAY

Line	Qty.	Catalog	
28	2.00	P1701BD	Integrated Electronics Box (110V IEB) Provides management of Recording and distribution of video display signals.

Integrated Electronics Box (110V IEB)

Provides management of Recording and distribution of video display signals.

Line	Qty.	Catalog	
29	2.00	P1961CS	CO2 Sidestream Sensor

Contains Respiration sidestream CO2 module

Line	Qty.	Catalog	
30	2.00	P1701CU	Barcode scanner provides the Honeywell 1450G barcode scanner for use with Mac-Lab   CardioLab   ComboLab Altix recording systems

Barcode scanner provides the Honeywell 1450G barcode scanner for use with Mac-Lab | CardioLab | ComboLab Altix recording systems

Line	Qty.	Catalog	
31	2.00	2041390-059	Nellcor SPO2 Technology

Flexibly-mounted (table-rail, IV pole) integrated invasive and non-invasive amplifier providing up to 12 Lead ECG, HR, Temperature, up to four invasive pressure channels, Nellcor-compatible SPO2, NIBP, Thermal dilution or Fick Cardiac Output, and 2 analog output signals (1 ECG and 1 invasive pressure).

Line	Qty.	Catalog	
32	2.00	2041390-020	CARESCAPE PDM NELLCOR ENGLISH LANGUAGE

English, Nellcor

Line	Qty.	Catalog	
33	2.00	2041575-002	Power Line Frequency 60HZ

SW OPT 60HZ POWER LINE FREQUENCY PDM

Line	Qty.	Catalog	
34	2.00	2041575-003	Invasive Blood Pressure Enabled

SW OPT ENABLE INVASIVE BP

Line	Qty.	Catalog	
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35 2.00 2041390-041 CARESCAPE PDM Battery

ATO OI BATTERY

Line	Qty.	Catalog	
36	2.00	2041390-044	No PDM dock

Bedside Dock

Line	Qty.	Catalog	
37	2.00	P1961SN	NELLCOR PDM ACCESSORIES WITH BASE STATION - AHA

NELLCOR PDM ACCESSORIES WITH BASE STATION (BASE STATION ETC02 SUPPORT, AHA ECG CABLES-LEADWIRES, NELLCOR SPO2 FINGER PROBE, CARDIAC OUTPUT CABLE, AND BASE STATION MOUNT)

Line	Qty.	Catalog	
38	2.00	P1961CD	NELLCOR SPO2 CABLE KIT

NELLCOR SPO2 CABLE KIT

Line	Qty.	Catalog	
39	2.00	Services-CE-Americas-Launch-INV-Anns	Launch INV Applications Training

Line	Qty.	Catalog	
40	2.00	W0302CD	TIP Invasive Customer Site Training Program – New 6 This training program is designed for customers purchasing up to 6 GEHC Invasive Labs.

This training program is designed for customers purchasing up to 6 GEHC Invasive Labs. GEHC will work with the designated Customer contact to agree upon a reasonable training schedule for a pre-defined group of core invasive staff that will leverage blended content delivery and may include a combination of onsite days and virtual offerings. This blended curriculum promotes learner retention and allows for efficient and effective skill development, to include the GEHC Answerline and any available on-demand courses (“Virtual Inclusions”). This blended curriculum with multiple delivery platforms promotes learner retention and allows for an efficient and effective skill development.

This program may contain:

- Onsite training (generally 10 days with one trainer)
- Virtual Inclusions may include:

- o Remote instructor-led training: Instructor leads a remote training session one-on-one or in a group, typically for 1 hour
- o Answerline Support-Access to GEHC experts for clinical, non-emergency applications assistance via phone
- o On Demand courses-On healthcare learning system. Self-paced courses and webinars (CE and non-CE).

Onsite training days will be mutually agreed upon, but generally should not exceed 15 days. Onsite training will be provided from 8am-5pm local time Monday-Friday. Virtual Offerings are unlimited. This training program has a term of six (6) months commencing on Acceptance, where all onsite training must be scheduled and completed within six (6) months of Acceptance, and all Virtual Inclusions also expire at the end of such six (6) month period. Additional onsite days may be available for purchase separately.

All GEHC "Training" terms and conditions apply. Given the unique nature of this program, if this program is purchased as part of a purchase under a Governing Agreement, including any Master Purchase Agreement, Group Purchasing Organization Agreement, or Strategic Alliance Agreement, this program shall take precedence over any conflicting training deliverables set forth therein.

Line	Qty.	Catalog	
41	2.00	W0037CD	INVASIVE PRJ MGMT SVCS

INVASIVE PRJ MGMT SVCS

Line	Qty.	Catalog	
42	2.00	2016376-091	INSTL-AFTER HOURS MAC-LAB/CARDIOLAB/COMBOLAB

Line	Qty.	Catalog	
43	1.00	P1705UG	USCAN ComboLab AltiX Upgrade

ComboLab AltiX Hemodynamic and EP Recording system software – Advanced system applications for display, recording, analysis and documentation of clinical data and events during adult and pediatric patient hemodynamic and electrophysiology studies. EP and Hemodynamic modules operate independently.

Clinical Features

Macros: Color initiated macros automates procedural workflow with user-defined procedure setups

ST Segment software: Real-time review of ST segment changes from user defined baseline during hemodynamic procedures

Cath Measurement Display Window: Real-time display of collective measurements acquired during the procedure.

Integrated FFR: Integrated Fractional Flow Reserve calculation

Editable Level of Pain / Level of Consciousness scales: Allows creation of user defined LOC/LOP scales

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Automated Interval Measurements: Automatically detect and display conduction intervals, SNRT, ARP, RRP

ETCO2 window - displays ETCO2 waveform, Respiration Rate, Inspiratory and Expiratory values (ETCO2 module/sensor required, sold separately)

System Security Features:

Encrypted data: Provides enhanced system security through data encryption

Automated User Tracking: Document who performed each procedure event

Esignature: Ability to lock and sign MS Word reports from within your system

Audit Trail: Documents details of many events, including system log-on, review study, continue study, print study, and other Interface/Data exchange

GE Data Export: Allows HL7 files from the system to be sent to other GE devices

GE ADT Import: Enables admission data to be received from GE data management systems via DICOM MWL

GE X-Ray Interface: Enables admission data to be sent to, and Radiologic information to be received from, GE X-Ray systems via DICOM MWL and MPPS Operating system and 3rd party Software

Also includes the following catalogs:

P1705CB Altix COMBOLAB COMPUTER

P1701HD HDMI AUDIO KIT

P1701AV VIDEO DISTRIBUTION KIT

P1701CU BARCODE SCANNER

P1961CA STANDARD COMPUTER ACCESSORIES

P1005DF COMBOLAB ENGLISH LANGUAGE KEYBOARD

P1700US Altix US LANGUAGE KIT

P1701EZ W10 Printer Interface Kit

P1705AC COMBOLAB UPG SW OPTIONS

Line	Qty.	Catalog	
44	1.00	P1961CP	Pre-Install Kit

Pre-Install kit contains required cabling for both new installation and upgrade to an existing system.

Line	Qty.	Catalog	
45	2.00	P1961CL	FIBER OPTIC FDDI CABLE PREINSTALL KIT FOR CARDIOLAB/COMBOLAB

FIBER OPTIC FDDI CABLE PREINSTALL KIT FOR CARDIOLAB/COMBOLAB

Line	Qty.	Catalog	
46	1.00	USCAN-Options-Altix	Options

Line	Qty.	Catalog	
47	1.00	P1967SA	MONITOR AND BOOM ACCESSORIES

INCLUDES:

-MONITOR - EIZO FLEXSCAN S2133 LCD MONITOR 21" DIAGONAL, 4X3 ASPECT RATIO, 1600X1200 RESOLUTION

-REMOTE MONITOR ACCESSORY KIT

I-SOLATION TRANSFORMER

Line	Qty.	Catalog	
48	3.00	P1961BB	MONITOR

SINGLE VGA MONITOR DISPLAY

Line	Qty.	Catalog	
49	1.00	P1701BD	Integrated Electronics Box (110V IEB) Provides management of Recording and distribution of video display signals.

Integrated Electronics Box (110V IEB)  
Provides management of Recording and distribution of video display signals.

Line	Qty.	Catalog	
50	1.00	P1006MB	MICROPACE ENG 110V 2 CHANNEL TOUCH SCREEN

Configurable 4 Channel Digital EP Stimulator providing touch-screen or keyboard control, and customized pacing protocols.  
MP3102BT-GE-US and MP3113-GE  
Only 110-V countries and English only

Line	Qty.	Catalog	
51	1.00	P1961CS	CO2 Sidestream Sensor

Contains Respiration sidestream CO2 module

Line	Qty.	Catalog	
52	1.00	P1701CU	Barcode scanner provides the Honeywell 1450G barcode scanner for use with Mac-Lab   CardioLab   ComboLab Altix recording systems

Barcode scanner provides the Honeywell 1450G barcode scanner for use with Mac-Lab | CardioLab | ComboLab Altix recording systems

Line	Qty.	Catalog	
53	1.00	2041390-059	Nellcor SPO2 Technology

Flexibly-mounted (table-rail, IV pole) integrated invasive and non-invasive amplifier providing up to 12 Lead ECG, HR, Temperature, up to four invasive pressure channels, Nellcor-compatible SPO2, NIBP, Thermal dilution or Fick Cardiac Output, and 2 analog output signals (1 ECG and 1 invasive pressure).

Line	Qty.	Catalog	
54	1.00	2041390-020	CARESCAPE PDM NELLCOR ENGLISH LANGUAGE

English, Nellcor

Line	Qty.	Catalog	
55	1.00	2041575-002	Power Line Frequency 60HZ

SW OPT 60HZ POWER LINE FREQUENCY PDM

Line	Qty.	Catalog	
56	1.00	2041575-003	Invasive Blood Pressure Enabled

SW OPT ENABLE INVASIVE BP

Line	Qty.	Catalog	
57	1.00	2041390-041	CARESCAPE PDM Battery

ATO OI BATTERY

Line	Qty.	Catalog	
58	1.00	2041390-044	No PDM dock

Bedside Dock

Line	Qty.	Catalog	
59	1.00	P1961SN	NELLCOR PDM ACCESSORIES WITH BASE STATION - AHA

NELLCOR PDM ACCESSORIES WITH BASE STATION (BASE STATION ETCO2 SUPPORT, AHA ECG CABLES-LEADWIRES, NELLCOR SPO2 FINGER PROBE, CARDIAC OUTPUT CABLE, AND BASE STATION MOUNT)

Line	Qty.	Catalog	
60	1.00	P1961CD	NELLCOR SPO2 CABLE KIT

NELLCOR SPO2 CABLE KIT

Line	Qty.	Catalog	
61	1.00	P1008HU	KIT CLAB II PLUS - 128 CHANNELS - ROHS

Intracardiac Channel Amplifier providing 128 Channels (12 surface ECG, 4 invasive pressures, 112 bipolar, and 224 unipolar pin

inputs)

Line	Qty.	Catalog	
62	1.00	Services-CE-Americas-Launch-INV-Apps	Launch INV Applications Training

Line	Qty.	Catalog	
63	1.00	2016376-091	INSTL-AFTER HOURS MAC-LAB/CARDIOLAB/COMBOLAB

Line	Qty.	Catalog	
64	1.00	P1706UC	AltiX INW Server Upgrade

AltiX Invasive Networking (INW) Server software upgrade provides the software required in the network infrastructure in the Cardiac Cath and EP Labs. The INW server allows the replication of lists and macros from one acquisition to another. As well, serves as a central repository of patient studies and waveform data (Cath studies 240,000 | EP Studies 24,000 of typical study sizes). For hardware specifications, please see the GE pre-install manual.

Line	Qty.	Catalog	
65	10.00	P1706UD	AltiX USCAN GE Client Workstation Upgrade

GE Clinical Client Workstation upgrade includes the required software and hardware to upgrade a pre/op and nurse workstations on the INW network. For hardware specifications, please see the GE pre-install manual.

Catalog also includes:

P1706AF AltiX GE CLIENT WORKSATION  
P1005DF COMBOLAB ENGLISH LANGUAGE KEYBOARD  
P1961CA STANDARD COMPUTER ACCESSORIES

Line	Qty.	Catalog	
66	1.00	Services-CE-Americas-Launch-INV-Apps	Launch INV Applications Training

Line	Qty.	Catalog	
67	1.00		INVASIVE PRJ MGMT SVCS

INVASIVE PRJ MGMT SVCS

Line	Qty.	Catalog
68	1.00	INSTL-AFTER HOURS INW

Line	Qty.	Catalog
69	10.00	INSTL-AFTER HOURS NURSES WORKSTATION