

The \_\_\_\_\_ is a scalable 40 to 160\*<sup>1</sup> & <sup>2</sup> slice with the technology of the \_\_\_\_\_ built in. The speed and clinical accuracy of this technology offers significant benefits to patients – especially trauma, pediatric and critically ill patients. This technology enables physicians to more clearly visualize internal injuries and disease in less time.

\*1-The coneXact double slice upgrade is required to obtain additional reconstructed slices in a single axial rotation.

\*2- The high coverage upgrade is required for 40 mm coverage at 0.5 mm

It includes \_\_\_\_\_ best-in-class, 0.5 mm detector elements with a new scalable \_\_\_\_\_ detector covering up to 40 mm of anatomy every 350 msec.

The \_\_\_\_\_ is capable of reconstructing 40, 80\*<sup>1</sup> or \*<sup>2</sup> or 160\*<sup>1</sup> & \*<sup>2</sup> unique slices with every rotation of the gantry and incorporates a host of ergonomic and automated features to streamline productivity and deliver the highest quality images while lowering radiation dose. \_\_\_\_\_ also achieves consistently superior image quality with

industry-leading, low-contrast resolution of 2 mm at 0.3% and high-contrast resolution of 0.35 mm.

\*1-The coneXact double slice upgrade is required to obtain additional reconstructed slices in a single axial rotation.

\*2- The high coverage upgrade is required for 40 mm coverage at 0.5 mm

utilizes a sophisticated reconstruction algorithm to reduce artifacts caused by metal while improving visualization of the implant, supporting bone and adjacent soft tissues\* for an accurate diagnosis. can be retrospectively applied to a routine low-dose scan, including volumetric and helical scans, combined with to achieve the best possible image quality without the need for additional exposure dose or a dedicated scan procedure. will include with each system as a value add. is normally valued at \$50,000.

*\* Bone structures near the metal-tissue interface may become distorted. Metal artifacts may not be completely removed in areas near the metal material. Comparison with the original images is suggested when performing diagnosis using images.*

*Prerequisite: Requires Version 6.0 software. Not available on the Large Bore or RXL.*

### **Ultra-Fast Workflow with Patient Comfort**

The boosts productivity with fast scan and image reconstruction times while offering comfort features such as the wide bore (78 cm) and large table capacity (660 lbs) for patients of all sizes pediatric to bariatric.

makes exams easier for all patients. The routine fast scans made possible by the detector also mean short breath-holds for better patient compliance.

### **Dose-Reduction Features**

reinforces the guiding principle of ALARA for every patient. To achieve this, the system has an array of adaptive and integrated dose-reduction strategies that are implemented at every stage, from patient registration to image reconstruction. In addition, patient dose reduction is integrated into the protocol software, so it activates prior to turning on the x-ray beam.

### **Active Collimation**

Active collimation synchronizes the width of the x-ray beam at the ends of the scan range to the clinically useful area needed for image reconstruction. By eliminating exposure that is not used for diagnosis, patient dose is reduced.

Iterative reconstruction is the fourth generation in the evolution of iterative reconstruction technology. It is an iterative algorithm intended to reduce pixel noise from the original data, the results analyzed, and the process repeated until the target level of noise-reduction is achieved. This iterative algorithm is excellent in reducing background noise while preserving diagnostic information compared to non-iterative approaches.

Iterative reconstruction can be integrated into all acquisition modes for routine clinical use and is able to reduce pixel noise magnitude in a way that may result in dose reduction.

Iterative reconstruction can be set for protocols using automatic exposure control, and the effective mAs will be automatically selected based on patient size and settings.

Iterative reconstruction software automatically adjusts the mAs based on patient anatomy to adapt to and compensate for changes in attenuation level.

In addition, an Organ Effective Modulation function is provided. Combined with Organ Effective has the potential to reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical procedure.

#### **Auto Couch Height Positioning Compensation**

will compensate for incorrect patient positioning to ensure accurate body size calculation and exposure dose. This avoids incorrect positioning errors in patient size calculation.

#### **XR 25, XR 26 and XR 29**

meets the National Electrical Manufacturers Association's (NEMA) Medical Imaging & Technology Alliance (MITA) standards XR 25, XR 26 and XR 29.

- MITA XR 25 Computed Tomography Dose Check
  - Includes dose alerts and allows facilities to set dose notification values.
- MITA XR 26 Access Controls for Computed Tomography: Identification, Interlocks, and Logs
  - Provides access control ensuring only authorized operators can alter controls of the CT equipment.
- MITA XR 29 Standard Attributes on Computed Tomography (CT) Equipment Related to Dose Optimization and Management
  - Smart Dose standard bundles four important features to ensure that equipment produces high-quality diagnostic images while supporting patient safety:
    - DICOM Structured Reporting
    - CT Dose Check
    - Automatic Exposure Controls,
    - Pediatric and adult reference protocols.

#### **Components**

- Large-aperture 78 cm, slip-ring gantry
- High-power 72 kW x-ray generator and tube
- Ergonomic and scalable patient couch

- Microsoft Windows 7 operating system
- Ergonomic operator controls
- 3D and 4D software for display console
- High-capacity hard disks
- Image data transfer link
- Custom patient table pad and positioning accessories
- Operator manuals and quality-assurance phantoms

### **KEY FEATURES**

#### **Routine Fast Scanning**

The \_\_\_\_\_ is capable of reconstructing 40, 80\*<sup>1</sup> or \*<sup>2</sup> or 160\*<sup>1</sup> & \*<sup>2</sup> unique slices with every rotation of the gantry and incorporates a host of ergonomic and automated features to streamline productivity and deliver the highest quality images while lowering radiation dose.

\_\_\_\_\_ also achieves consistently superior image quality with industry-leading, low-contrast resolution of 2 mm at 0.3% and high-contrast resolution of 0.35 mm.

Patients benefit from the extremely short exam times. Fast scan acquisition can also be used to meet the demands of helical CTA examinations for vascular imaging.

#### **Optimal Space Utilization**

The \_\_\_\_\_ has only four main components: gantry, couch, console and transformer. The recommended minimum CT room size is only 14.8 square meters with the compact couch.

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Improve workflow with real-time imaging, which provides the ability to view a scan at 12 frames per second (512x512) during the acquisition. This allows the operator to rapidly assess if additional images are needed.

The following are standard features on

- \_\_\_\_\_ - Dose modulation based on scanogram

- – Real-time contrast detection at 12 fps. With there is no need to perform a timing bolus, saving up to 30 cc's of contrast.

### **Easy Operation**

is easy to operate using the 19-inch LCD monitor, mouse and ergonomic keyboard. Scan automatically by programming procedures with eXam Plan and vocal instructions through

### **EQUIPMENT COMPONENTS**

Gantry possess many work flow advantages from the iStation to the gantry controls that are accessible from the gantry or the scan console.

The is a 12-inch LCD screen that uses video and voice prompts to ensure patient compliance during scanning. This is especially useful during pediatric scanning as the iStation displays a video of a small child that tells the patient when to raise their arms, when to hold their breath, and so on. These child-friendly instructions, coming from a child figure helps assure compliance. iStation also allows the user to visualize the patient's ECG waveform when acquiring ECG-gated exams.

### **Gantry**

- Hybrid slip-ring technology conserves unused electricity
- Gantry tilts  $\pm 30$  degrees
- Large aperture: 78 cm
- Five scan fields of view
- Wide range of scan times provides greater flexibility for optimal image quality
- touch panel – many functions can be controlled in-room for quick setup and improved workflow

### **Console – Acquire and Display**

- Powerful, ergonomic console computer handles display, image feed, filming and transferring multi-planar reconstructions with the same interface used for axial images.
- InstaView - Full matrix real-time image review
- Capable of true simultaneous scanning, retrieving, archiving and filming without interruption using the optional second console. This is a genuine multi-tasking system for multi-slice and volume data sets.
- Powerful reconstruction tower with CPUs and hard drives with RAID 5 controllers.
- Includes user-friendly keyboard, mouse, monitor, CPU cabinet/reconstruction enclosure.

### **X-ray Tube**

This compact, high-performance tube is designed to minimize tube-cooling delays with heavy patient loads at all scan times. It was built on the proven, anode-grounded, tube technology used on every multi-slice CT.

Other features include:

- Dual focal spots
- Anode capacity of 7.5 MHU
- Dissipation rate of 1,386 kHU per minute maximum

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### **Detectors and DAS**

- Unique ceramic, solid-state detector array and DAS
- Ultra-fast DAS to acquire large-volume data
- Solid-state detector array with 0.5 mm detector elements
- Low-contrast resolution of 2 mm at 0.3% with 17.2 mGy (with AIDR 3D)

### **High-Power Generator**

Robust, high-voltage circuits that generate 72 kW at 600 mA, standard on all systems (exception . This provides support for the 7.5 MHU x-ray tube and allows helical scans of up to 100 seconds.

Multiple kV Selections: 80, 100, 120 and 135 kV.

### **NETWORKING**

- DICOM 3.0 Conformance Standards
- DICOM 3.0 Modality Worklist Management
- DICOM 3.0 Performed Procedure Step SCU
- DICOM 3.0 Enhanced CT Image Storage and Transfer
- DICOM 3.0 Presentation of Grouped Procedures (PGP) and Study Split
- DICOM 3.0 (Storage SCU)
- DICOM 3.0 Query/Retrieve Service Class Provider (SCP)
- DICOM 3.0 (Print SCU)

### **SCAN & FUNCTIONALITY**

#### **MultiView**

Built into protocol for fast multi-planar reconstruction in batch mode specifically for multi-slice data sets. Coronal, sagittal and axial images are created and displayed for immediate viewing.

#### **3D Imaging on Console**

Provides excellent image quality with surface-shaded renderings and volume-rendered 3D images. Provides zooming and panning over the 3D surface and performs distance measurements.

Other features include:

- Easy 3D
- Bone removal



- Maximum intensity projection (MIP)
- Minimum intensity projection
- Intensity volume rendering

#### Quantitative Analysis

- Profile display of CT numbers along a selected line in the axial plane
- Distance measurement and display
- CT number display
- Histogram display

#### eXam Plan Protocols

- 600+ eXam plan protocols that can be adjusted while scanning
- Four preset reconstructions

#### Archiving

- Can be automated with each eXam plan
- Raw data and image data can be protected to prevent deletion

#### Filming

- Auto filming can be set as part of the eXam plan
- Images are displayed in 512x512 or 1024x1024

#### CUSTOMER CARE SERVICES

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

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

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

engineer can arrive. is included at no charge and connected while any CT is under warranty, or any service agreement including Full Service, In-House Support, Partnership and/or VISN Master Service Agreement

#### **Agreements**

Based on customer needs, customer agreements can range from an a-la-carte approach to full-security agreements that provide complete system protection.

#### **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 customer engineers. With an average of 10 years of Toshiba 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.

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

- Easy-to-use marketing resources and tools developed exclusively for customers to bring together effective marketing strategies and tactics.
- A wealth of collaterals and content to create high-quality brochures, print ads and more to help market the customer's new imaging capabilities.

Materials available 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.

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, Toshiba will conduct that portion of the training again, at no charge.

**Choice of two (2) Medical Imaging Consultants self-study programs;** The CT CrossTrainer and/or The CT Registry Review Program.

The CT CrossTrainer is designed to acquaint the less-experienced technologist with important CT principles, technology and clinical exams. The program consists of 6 comprehensive StudyModules that have been accredited for 17 Category A CE credits; credits are earned by passing a post test for each StudyModule.

The CT Registry Review Program is designed to help the experienced CT technologist prepare to pass the ARRT's post-primary exam in CT. The course consists of 8 comprehensive StudyModules that have been accredited for 19 Category A CE credits; credits are earned by passing a post-test for each StudyModule.

**Phase I:** Two (2) attendance vouchers for a four (4) day technologist-focused course held at the

. This course provides the fundamentals of operating CT system, including a variety of CT scans 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 CT imaging console use, system menus, system default scan protocols, utilization of reconstruction parameters, post-processing image data, and troubleshooting image quality. This course is all inclusive of the following: tuition, airfare (booked by , lodging, and meals. Accredited for CE credits by the ASRT Education Foundation.

**Phase II:** An initial thirty-two (32) hours, of on-site education will be provided at the customer facility following system go-live. This training is provided for up to four (4) imaging professionals including the two (2) that attended Phase I training, to focus on maximizing scanning techniques and protocols. 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 that attend the Phase II training event in its entirety.

**Phase III:** An additional twenty-four (24) hours of on-site education will be provided for the same four (4) imaging professionals, which participated in Phase II training, approximately 6-8 weeks following installation to optimize staff proficiency and system productivity.

Note: personnel are not responsible for scanning patients, patient safety, any actual patient contact, or operation of equipment during education sessions. Toshiba 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 (1) year after the warranty start date.

is a custom program created to offer a unique approach to CT Education and focuses specifically on achieving technical proficiency and optimal productivity. The program includes the following:

- A Planning meeting at your facility with CT Applications Manager.. The objective of the meeting is to discuss the objectives and timing and explain custom approach. During the meeting the manager will also ensure the following takes place:
  - A Review of New Customer Education Guide (what to expect and how to plan and prepare).
  - Introduce the Three Phase education program and the role of the Education Center.
  - Co-develop a custom training program based on the facility's specific needs and ensure it is well documented for execution.
- A specially trained Apps Specialist will be assigned as owner of the education experience for the facility. They will perform the following duties:
  - Be part of the planning meetings with the project team to ensure training issues are addressed in a pro-active fashion.
  - Communicate with the facility prior to the turnover date to ensure everything is on track and all questions or concerns are addressed.
  - Ensure all materials (training manuals and learning aids) are on site at the time of the go live date.
- A Quality Installation Checklist developed by service and physicists will be used to ensure all system requirements have been met and the scanner is working properly and yielding good image quality.

- A Clinical Evaluation will be conducted by a National Clinical Support specialist prior to the turnover to ensure the system is ready for go live date. They will communicate their approval to the Application manager, the assigned application specialist, the Account Executive and Service team.
- Consistent on site service support during the turnover.
- The Education Center will properly train and prepare the “core trainers” to perform their role with the most advanced education approach in the industry.
- will send your dedicated applications specialist in to manage the training process during the go live process. The specialist will work with physicians as well to achieve desired image quality.
- At the start of the turnover, will begin with a presentation for the staff and referring physicians to highlight system capabilities and generate excitement.
- is a blended learning approach and includes pre-requisites and additional accredited CE courses for the clinical staff.
- A special visit will be conducted by National Clinical Support Specialist 4 to 6 weeks after turnover to check protocols, dose and image quality. They will make themselves available to meet with physicians and technologists to answer all questions.
- ***GUARANTEE: If for any reason the customer is not satisfied with any portion of the training, will conduct the portion of the training again at no charge to the customer.***

The High Capacity Extended Patient Couch provides improved patient positioning while supporting the patient. The entire unit moves vertically and the top moves longitudinally. In an emergency, the couch top can be pulled out manually with very little effort. The couch top can also be lowered to a minimum height of 330 mm (12.99 inches) from the floor, facilitating transfer of the patient from a low bed or stretcher.

#### **COMPONENTS**

- 47 cm wide, metal-free couch top
- Horizontal stroke of 2,390 mm and a scanning range of 2,000 mm for tall patients
- High-precision couch-top positioning is possible from the integrated console or by manual operation from the control panel with clear digital readouts provided on the gantry.
- Large patient capability (660 lbs)

#### **ACCESSORY KIT FOR HIGH CAPACITY COUCH**

Includes each of the following items:

- Rolled Edge Foot Extension Pad
- Wide & Medium Security Straps
- Chin and Forehead Straps
- Adult Head Rest Pads (Medium and Large)
- Tilt Wedge
- Knee Support Wedge
- Coronal Head Support
- Table Pad
- Protective Table Covers (Box of Four)
- Detachable Rail 77"

Measures image quality to ensure compliance to standards for:

- High-contrast resolution
- Low-contrast resolution
- Slice thickness
- Noise
- Contrast scale

**CHAIR WITH ADJUSTABLE ARMS AND BACK (Qty 2)**

**CONSOLE DESK 65" X 36" X 30"**

Measures 65" x 36" x 30"

**NON-CORROSIVE FLOOR LEVELING EPOXY KIT**

**SURECONNECT DICOM CONNECTIVITY PACKAGE**

This package is designed to meet the DICOM needs of most departments.

**COT-32D DICOM Modality Worklist Management**

Allows the CT system to receive patient demographic data from an HIS/RIS system in conformance with the DICOM 3.0 standard.

**COT-33D (MPPS)**

In combination with COT-32D (MWM), MPPS provides notification of the start and end of the examination back to an RIS that supports DICOM MPPS (SCP). Exam record and patient information can also be sent to the RIS.

**COT-35D Query/Retrieve (SCU) The Q/R Service Class User (SCU)**

Allows a device to initiate a request for patient, study, series and/or image information from the provider device in accordance with the DICOM 3.0 standard.



### **Storage Commitment**

Verifies image transfer and storage.

- Allows operator to determine if data is stored correctly at the PACS server, avoiding unintentional image deletion.
- Improves efficiency of image management operations.
- Provides fail-safe method to prevent image data from being deleted unintentionally even in the event of a communication failure (during image transfer or during a storage verification response).

is an Integrated Health Enterprise (IHE) standard designed specifically with multiple examination orders (Requested Procedures) that can be performed in single CT examination.

- Provides preset and automatic transfer solutions for multiple exams from a single CT exam.
- Facilitates clinical viewing of images and reporting of individual requested procedures.
- Use with PACS systems that are IHE PGP compliant.
- Use the study split option for PACS systems that are not yet IHE PGP compliant to physically split images into multiple examinations.

*Note: This option does not include a DICOM gateway for the HIS/RIS system.*

### **DICOM 3 STORAGE SERVICE CLASS PROVIDER (SCP)**

- Exchanges DICOM 3.0 compliant image objects on a network
- Allows the system to perform functions requested by a Storage Class User (SCU) device

### **DICOM 3 MODALITY WORKLIST MANAGEMENT (MWM) SERVICE CLASS USER (SCU) SYSTEM**

Allows the CT system to obtain details of patients and scheduled examinations electronically from the HIS/RIS system, avoiding the potential mistakes of manual entry.

*Note: This option does not include a DICOM gateway for the HIS/RIS system.*

### **DICOM 3 PERFORMED PROCEDURE STEP SCU**

In combination with COT-32D (MWM), MPPS provides notification of the start and end of the examination back to an RIS that supports DICOM MPPS (SCP). Exam record and patient information can also be sent to the RIS.

### **DICOM 3 QUERY/RETRIEVE SCP**

- Allows a Storage Class User (SCU) to query the SCP device
- Enables user devices to retrieve patient, study, series and/or image information in conformance with the DICOM 3.0 standard

### **DICOM 3 QUERY/RETRIEVE SCU AQ/MP**

Allows a device to initiate a request for patient, study, series and/or image information from the provider device in accordance with the DICOM 3.0 standard.

### **DICOM 3 STORAGE COMMITMENT SCU SOFTWARE**

Verifies image transfer and storage.

- Allows operator to determine if data is stored correctly at the PACS server, avoiding unintentional image deletion.
- Improves efficiency of image management operations.
- Provides fail-safe method to prevent image data from being deleted unintentionally even in the event of a communication

failure (during image transfer or during a storage verification response).

### **PRESENTATION OF GROUPED PROCEDURES (PGP) AND EXAM HARD SPLIT**

PGP is an Integrated Health Enterprise (IHE) standard designed specifically with multiple examination orders (Requested Procedures) that can be performed in a single CT examination.

- Provides preset and automatic transfer solutions for multiple exams from a single CT exam.
- Facilitates clinical viewing of images and reporting of individual requested procedures.
- Use with PACS systems that are IHE PGP compliant.
- Use the study split option for PACS systems that are not yet IHE PGP compliant to physically split images into multiple examinations.

### **72 KW X-RAY HIGH VOLTAGE GENERATOR 600 MA UPGRADE**

This kit is designed to provide a high power output (maximum tube current: 600 mA).

- *NOTE: For the ONLY.*

### **SYSTEM UPS 125 KVA 480 VOLT INPUT / 480 VOLT OUTPUT WITH PDU FOR ONE, PRIME, CELESTEION**

### **BATTERY CABINET FOR ANY TIC VRDU**

### **REMOTE STATUS ALARM PANEL**

Wall-mount shell with 120-VAC power supply adapter with battery back-up with internal batteries. Hard-wire with internal power supply.

## **START UP 125 KVA**

### **POWER DISTRIBUTION UNIT**

The PDU is engineered to address common power problems found in the hospital environment and to isolate the CT system components to meet IEC 60601-1 Third Edition requirements. This is important to assure optimal reliability and performance of CT systems. Customer is responsible for complying with Toshiba's site specifications for electrical power.

This device provides most of the electrical site preparation requirements of Toshiba CT systems. The PDU contains a low impedance isolation step-down transformer with a shielding plate between primary and secondary.

#### **Voltage Conversion**

Wiring costs are significantly reduced since the PDU accepts a single, 480V delta input, supplying 200V to the generator and the various other parts of the system.

#### **Distribution**

The PDU comes prepackaged with the distribution breakers needed for each system feed. Having all system breakers in one location also makes it easier for service personnel to remove power.

#### **Installation**

Installation is much faster, more predictable, and less expensive with a factory-assembled and tested system.

## **CURRENT MONITOR**

Provides a comprehensive package of hardware and software for advanced cardiac imaging, including phaseXact and prospective/retrospective gating for ultra-low-dose coronary imaging.

Provides low dose to the patient for evaluation of calcified plaque. Prospective cardiac CTA mode offers further flexibility to the Target CTA low-dose protocol.

Eliminates the need for unnecessary multiple reconstructions by automatically selecting the cardiac phase with the least motion. With the combinations of 350 msec rotation time and up to five adaptive segmented reconstructions, the temporal resolution can be as low as 35 ms.

In addition:

- The reconstructed images for specific (cardiac) phases are generated (by raw data processing) from the scan data acquired simultaneously by the ECG-gated scan system.
- Real-time beat control monitors R-R interval to assure diagnostic cardiac images even with challenging patients.

#### **Automated Feature Set**

Simplifies cardiac protocol setup and improves workflow.

#### **CARDIAC APPLICATION TRAINING**

Includes a two phase education program.

**Phase I:** Prerequisite to on-site education: Attendance in the Advanced Cardiac Course held at the Institute for Advanced Imaging,

**Phase II:** Twenty-four (24) hours of on-site education will be provided at the customer facility for up to four (4) imaging professionals including the one (1) that attended Phase I training. Training is focused on maximizing cardiac scan techniques and protocols and to optimize staff proficiency and system productivity in cardiac imaging. Training is scheduled for three (3) consecutive days during standard business hours. CE credits are earned by participants that attend the Phase II training event in its entirety.

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

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

Additional classroom and onsite training is available for purchase.

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

## **ECG GATED SCANNING FOR**

Acquires images for specific cardiac phases. Includes:

- ECG-gated helical scanning and reconstruction with dose modulation and arrhythmia rejection.
- phaseXact: automatically detects cardiac phases with minimal motion to perform reconstruction.
- : sets helical pitch and ECG dose modulation based on ECG/heart rate.

***Prerequisites:***  
***trigger.***

***monitor with***

## **ECG MONITOR,**

Cardiac ECG for use with CT hardware and software to measure skin impedance to help ensure reliable scanning.

- Compact ECG monitor with fast gated trigger output for R-wave synchronization applications
- High & Low Heart Rate Limits
- 6.5" Color LCD Display (TFT Active Matrix)

- Integrated ECG simulator to test the integrity of the patient cables, lead wires, and electronic circuitry.

### **ADVANCED CARDIAC CT COURSE FOR TECHNOLOGISTS**

One (1) attendance voucher for a three day technologist-focused course held at the \_\_\_\_\_ in \_\_\_\_\_. This course provides a foundation of cardiac anatomy and physiology with ECG and cardiac gating, including CT scans performed with the latest dose reduction techniques. This course includes in-depth lectures and hands-on training on the CT scanner and \_\_\_\_\_ post-processing systems. At the completion of this course, you will be proficient in the following operations: cardiac anatomy and physiology, CTA scanning, ECG monitoring, image quality assessment and image processing. \_\_\_\_\_ post-processing training includes coronary artery calcium scoring and cardiac functional analysis. This course is all inclusive of the following: tuition, airfare (booked by Toshiba), lodging and meals. Accredited for CE credits by the ASRT Education Foundation.

***Prerequisite: Currently operating an Aquilion PRIME system.***

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

Additional classroom and onsite training is available for purchase.

### **DETECTOR UPGRADE KIT (40 TO 80 DETECTOR ROWS)**

This \_\_\_\_\_ upgrade kit will expand the \_\_\_\_\_ 40 row detector to the full 80 detector row capability of generating 80 x 0.5 mm slices per rotation.

This upgrade allows a number of operational and clinical applications that enhance workflow and increase examination throughput.

The  $\phi$  with 80 slice capability includes 0.5 mm detector, 80 channel detector that covers up to 40 mm of anatomy every rotation.

The speed of this technology offers clinical benefits to patients – especially when scanning trauma, pediatric and critically ill patients. This technology enables physicians to clearly visualize internal injuries and disease in less time.

## Ultra-Fast Workflow with Patient Comfort

The with 80 detector row capability boosts productivity with fast scan and image reconstruction times while offering comfort features for patients of all sizes. The routine fast scans made possible by the 80-row detector also mean short breath-holds that supports better patient compliance.

## SECOND CONSOLE KIT

This ergonomic, second scanning console upgrades the  system to a dual-console system. The scan console (scan system monitor) and the display console (image processing monitor) can be operated independently or in parallel in order to improve workflow and efficiency.

This is a genuine multi-tasking system for multi-slice and volume data sets.

- Includes user-friendly keyboards, mouse, monitors and CPU cabinet
- High line-rate, 19-inch, color monitor displays images in a 512x512 or 1024x1024 matrix using mouse and ergonomic keyboard

*Note: Requires software.*

*system with version 7*



With up to 60 fps, the fast image reconstruction system model CCFR-010A is available for Aquilion™ PRIME Edition as an optional component. It is designed to shorten the reconstruction time, resulting in higher patient throughput and more efficient examinations

*Prerequisite: Requires*

*and above*

**DUAL ENERGY APPLICATION FOR  
V6.0+**

**- REQUIRES**

#### **Dual Energy System**

- The tube voltage can be rapidly switched during scanning, and images acquired at different tube voltages can be obtained.
- Segmentation can be performed for the region to be analyzed.
- The CT value ratios of the region to be analyzed can be measured, providing information that is useful for identifying the materials.
- Blending images that are close to the images acquired with the specified kV value can be generated by blending images acquired with a high kV value and images acquired with a low kV value.
- Iodine map images, that indicate whether or not the contrast-enhanced regions are present, can be generated.

#### **Dual Energy Composition Analysis**

- Two volume datasets acquired by performing scanning with different tube voltages are loaded and displayed.
- The two loaded volume datasets are analyzed to extract and display suspected uric acids.

*Prerequisite: Requires Version 6.0 or higher software. Available on second generation or higher only*

### **DOUBLE SLICE KIT FOR 80 TO 160 SLICE UPGRADE**

This upgrade kit adds double slice technology to the platform, enabling 160 unique images reconstructed per axial scan.

#### **Key Enhancements**

Utilizing proprietary algorithms developed for the CT, this double slice reconstruction package enables volume reconstruction in double density, effectively creating 0.5mm slices at every 0.25mm. The algorithm achieves this by first reconstructing data sets as a volume, and then using information from oblique cone angle projections to extract distinct axial slices in between detector planes without resorting to interpolation or upsampling.

A summary of benefits includes:

- More true-to-original reconstruction in MPR and 3-D rendered images
- Increased detail in the z-direction - ideal for IAC and extremities
- Reduction of partial volume effects leading to more detailed images while maintaining superior low contrast detectability

*Requires Detector Upgrade Kit (40-80 Detector Row)*

### **BIOMED TRAINING - TUITION, TRAVEL AND LODGING - (10 CLASS DAYS)**

This training course is for the Bio-Medical/Hospital Engineers experienced in CT and diagnostic imaging who will have the responsibility to provide preliminary support for the CT scanners. The training course will focus on the theory of operation, maintenance and repair of the

scanner. This course will be conducted with a blend of instructor led classroom discussions and laboratory hands-on practice.

This course will be conducted with a blend of instructor-led classroom discussions and laboratory hands-on practice.

As part of the requirements to pass this course, all biomedics will be required to pass a practical demonstration of comprehension with a score of 80% or better. There will also be various lab exercises during the class that will be used to check comprehension of various course modules.

***Prerequisites***

- Introduction to CT (CT122)
- Large Current Slip Ring Cleaning Video & Quiz
- DAS Theory of Operation 64

Students must bring notebook computers equipped with Pentium-class CPUs, 1GB of available hard disk space, Windows 98, 2000 or XP, Office 97 or later, CD-ROM drive, serial port RS232, serial cable, and network connectivity. Laptops are not available to borrow or rent during class. Virus Scanning: Laptops used at the Center must have the latest virus scanning software and update definitions before being permitted to connect into the TAMS Training network. All laptops will be checked on the first day of class.

***This course is all inclusive: tuition, airfare (booked by Toshiba) and lodging.***

The Bio Med training course must be completed twelve (12) months from equipment installation date (or purchase date if sold separately). If training is not completed within the applicable time period then the obligation to provide this course will expire without refund unless funds are used for additional operator training within this time frame.

### **BASIC PACKAGE WITH CT BRAIN PERFUSION, CALCIUM SCORING, LUNG, COLON, VESSEL PROBE, HARDWARE, INSTALLATION & TRAINING**

Basic package provides 2-D, 3-D and 4-D advanced visualization tools within the hospital network for one diagnostic professional to view and evaluate anatomy and pathology at 5 access points. Offering outstanding image quality and clinical flexibility, the Basic package includes the following:

- One year software maintenance and warranty upon delivery
- The workstation with 30 inch display
- One concurrent Basic user license
- Five Access points
- Five hours Remote Professional Services
- Six Education Units
- Customer must sign 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.*

provides visualization of apparent blood flow, blood volume and mean transit time (MTT), which can help physicians determine the presence of acute cerebral infarcts in brain tissue affected in an acute stroke.

***Note: Application is not for use on 3-D DICOM XA (X-ray Angiography) image data.***

#### **Software**

For coronary artery calcium scoring

aids in measuring and characterizing lung nodules. The interface and automated tools help to efficiently determine growth patterns and compose comparative reviews.

provides clinicians with the ability to perform CT colonography. It provides optimized layouts for 2D and 3D examination of the lumen, including tools for quantitative analysis of suspected polyps

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

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

Course Title	Setting	Days	Units
Advanced Visualization Fundamentals	Classroom	3	2
Advanced Visualization Fundamentals - Core (Prerequisite: Advanced Visualization Fundamentals)	Classroom	1	1
Specialty Instruction for Colonography, Cardiovascular, Neurology or Oncology (Advanced)	Classroom	2	2
Advanced Enterprise Administrator	Classroom	2	3
Advanced Visualization Course	Client Facility	2	6
Enterprise Advanced Visualization	Client Facility	3	9
Four Hour Webinar Tailored to Client Site	Online	.35	1

On-Site, Five Classroom, Add-on	Client Facility	N/A	3
Include travel to classroom	N/A	N/A	2
Videos	Online	N/A	Unlimited
Webinars	Online	N/A	Unlimited
<p>A representative will contact the customer to set up training.  <i>Rights to education offered with the software license will expire 12 months from the delivery date of the software to the customer.</i></p>			

## OPTIONS

### FLAT PANEL MONITOR KIT FOR WITH

The Fluoroscopy option permits real-time image reconstruction to display 3 images obtained by combining data from the area detector.

Moreover, employs:

- Volume ONE shot, which is fluoroscopy volumetric scanning with MPR oblique display.
- MPR and oblique image guidance ensures accurate needle positioning with complete confidence during complex biopsy procedures, saving time and improving patient safety.
- Half scan can be selected for the scan mode, and the exposure angle can be specified.
- Single image viewing rate is 12 fps in a 512 matrix.
- All operations are performed by an operator at tableside. The operator is able to control table movement, gantry movement, and X-ray exposure while observing the progress of the procedure.
- Tilting can be performed from the extension operating panel.
- The *last-image hold* feature maintains the latest image while the beam is switched off.

This option can greatly improve CT scanner productivity for biopsies and percutaneous therapy by speeding the procedures and allowing small targets close to critical structures to be accurately and safely approached.

Patient dose is kept within reasonable levels by using low tube currents. A complimentary biopsy needle holder is provided so the operator can manipulate a needle while X-rays are "ON" without exposing extremities to the primary X-ray beam.

**Contents:**

- In-room control console and stand
- X-ray on/off footswitch
- CT Fluoro biopsy tool kit
  - Biopsy needle insertion guide holder
  - Syringe clamp
- Hardware interfaces and electronics

**360 COLUMN - FIXED (58 CM)**

**TECH ASSIST LATERAL TABLE SLIDE FOR  
CAPACITY (660 LB) COUCH**

**ADDITIONAL CLINICAL APPLICATIONS**

**add**

On-site training at \_\_\_\_\_ Education Center \_\_\_\_\_. The Education Center's full complement of classrooms and labs are equipped with advanced products. Accredited courses are taught in CT, MR and Vascular.

- This four-day intensive course is held Monday through Thursday, 8 a.m. to 5 p.m.
- Cost is \_\_\_\_\_ per student including airfare, lodging, meal coupons, and transportation to and from the hotel and education center.



## SOFTWARE FOR

Provides synchronization of the CT with a contrast injector that supports CAN Protocol Level 1. This enables the CT scan to be started remotely using the injector during contrast-enhanced CT exams.

### Key Features

- Improves contrast timing and optimizes workflow
- Synchronized start improves control of contrast enhancement
- Simplified operation enables single operator workflow

### Enhance Safety

- One-button on either the scanner or injector starts and stops the sync protocol (provides stop message at console when stopped at injector)
- Technologist can remain at the patient's side

*Prerequisite: Injector with Injector Synchronization. For injectors with other options, such as platform, additional DICOM options, such as Performed Procedure Step, will be required as well.*

## DUAL FLOW INJECTOR WITH WORKSTATION DISPLAY & SYNC KIT - CT

**add**

Ceiling mounted CT injector includes Workstation Display which enables injector programming and informatics-ready integration with informatics applications.

**MAVIG 360 COLUMN - FIXED (58 CM)**

**MAVIG 360 COLUMN - FIXED (46 CM)**

**MAVIG 850 COLUMN - FIXED (85 CM)**

**BIOMED TRAINING - TUITION, TRAVEL AND LODGING -  
(10 CLASS DAYS)**

This training course is for the Bio-Medical/Hospital Engineers experienced in CT and diagnostic imaging who will have the responsibility to provide preliminary support for the CT scanners. The training course will focus on the theory of operation, maintenance and repair of the scanner. This course will be conducted with a blend of instructor led classroom discussions and laboratory hands-on practice.

This course will be conducted with a blend of instructor-led classroom discussions and laboratory hands-on practice.

As part of the requirements to pass this course, all biomedics will be required to pass a practical demonstration of comprehension with a score of 80% or better. There will also be various lab exercises during the class that will be used to check comprehension of various course modules.

***Prerequisites***

- Introduction to CT
- Large Current Slip Ring Cleaning Video & Quiz

- DAS Theory of Operation

Students must bring notebook computers equipped with Pentium-class CPUs, 1GB of available hard disk space, Windows 98, 2000 or XP, Office 97 or later, CD-ROM drive, serial port RS232, serial cable, and network connectivity. Laptops are not available to borrow or rent during class. Virus Scanning: Laptops used at the Center must have the latest virus scanning software and update definitions before being permitted to connect into the TAMS Training network. All laptops will be checked on the first day of class.

*This course is all inclusive: tuition, airfare (booked by ) and lodging.*

The Bio Med training course must be completed twelve (12) months from equipment installation date (or purchase date if sold separately). If training is not completed within the applicable time period then the obligation to provide this course will expire without refund unless funds are used for additional operator training within this time frame.

### **BASIC PACKAGE WITH CALCIUM SCORING, LUNG, COLON, VESSEL PROBE, HARDWARE, INSTALLATION & TRAINING**

**add**

Basic package provides 2-D, 3-D and 4-D advanced visualization tools within the hospital network for one diagnostic professional to view and evaluate anatomy and pathology at 5 access points. Offering outstanding image quality and clinical flexibility, the Basic package includes the following:

- One year software maintenance and warranty upon delivery
- The workstation with 30 inch display
- One concurrent Basic user license
- Five Access points
- Five hours Remote Professional Services

- Six Education Units
- Customer must sign 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.*

provides visualization of apparent blood flow, blood volume and mean transit time (MTT), which can help physicians determine the presence of acute cerebral infarcts in brain tissue affected in an acute stroke.  
**Note: Application is not for use on 3-D DICOM XA (X-ray Angiography) image data.**

For coronary artery calcium scoring

CT Lung Analysis aids in measuring and characterizing lung nodules. The interface and automated tools help to efficiently determine growth patterns and compose comparative reviews.

provides clinicians with the ability to perform CT colonography. It provides optimized layouts for 2D and 3D examination of the lumen, including tools for quantitative analysis of suspected polyps

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

education units are included with each workstation package. Additional education units included with workstation packages can be applied in any combination toward the cost of courses offered below.

Course Title	Setting	Days	Units
Advanced Visualization Fundamentals	Classroom	3	2
Advanced Visualization Fundamentals - Core (Prerequisite: Advanced Visualization Fundamentals)	Classroom	1	1
Specialty Instruction for Colonography, Cardiovascular, Neurology or Oncology (Advanced)	Classroom	2	2
Advanced Enterprise Administrator	Classroom	2	3
Advanced Visualization Course	Client Facility	2	6
Enterprise Advanced Visualization	Client Facility	3	9
Four Hour Webinar Tailored to Client Site	Online	.35	1
On-Site, Five Classroom, Add-on	Client Facility	N/A	3
Include travel to classroom	N/A	N/A	2
eLearning Videos	Online	N/A	Unlimited
Webinars	Online	N/A	Unlimited
<p>A representative will contact the customer to set up training.  <i>Rights to education offered with the software license will expire 12 months from the delivery date of the software to the customer.</i></p>			

## PACKAGE TWO

### ADDITIONAL USERS

**add**

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, package includes the following:

- One year software maintenance and warranty upon delivery\*
- Two additional concurrent basic user licenses
- Five hours of Remote Professional Services
- Six Education Units
- Customer must sign software license agreement

***Note: Requires***

***Basic User Package***

*\*Note: If this software package is being added to an existing installed system, the Software Maintenance and Support will be pro-rated to the existing 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. Rights to education offered with the software license will expire 12 months from the delivery date of the software to the customer.***

education units are included with each workstation package. Additional education units included with workstation packages can be applied in any combination toward the cost of courses offered below.

Course Title	Setting	Days	Units
Advanced Visualization Fundamentals	Classroom	3	2
Advanced Visualization Fundamentals - Core (Prerequisite: Advanced Visualization Fundamentals)	Classroom	1	1
Specialty Instruction for Colonography, Cardiovascular, Neurology or Oncology (Advanced)	Classroom	2	2
Advanced Enterprise Administrator	Classroom	2	3
Advanced Visualization Course	Client Facility	2	6
Enterprise Advanced Visualization	Client Facility	3	9
Four Hour Webinar Tailored to Client Site	Online	.35	1
On-Site, Five Classroom, Add-on	Client Facility	N/A	3
Include travel to classroom	N/A	N/A	2
eLearning Videos	Online	N/A	Unlimited
Webinars	Online	N/A	Unlimited
<p>A representative will contact the customer to set up training.  <i>Rights to education offered with the software license will expire 12 months from the delivery date of the software to the customer.</i></p>			

Cardiovascular Collaboration package provides 2-D, 3-D and 4-D advanced visualization tools for one diagnostic professional to view and evaluate anatomy and pathology. Offering outstanding image quality and clinical flexibility, Cardiovascular Collaboration package includes the following:

- One year software maintenance and warranty upon delivery\*
- Five hours Remote Professional Services
- Six Education Units
- Customer must sign Vital Images software license agreement

**Note: Requires**

**Basic package**

*\*Note: If this software package is being added to an existing, installed system, the Software Maintenance and Support will be pro-rated to the existing 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. Rights to education offered with the software license will expire 12 months from the delivery date of the software to the customer.***

### **Software**

enables physicians to determine the presence and extent of coronary obstructive disease by displaying the extracted anatomy in a variety of views. The interface and automated tools help to efficiently analyze the coronary arteries.

utilizes CT images of the heart to assist cardiologists and radiologists in assessing cardiac function for the left



ventricle. Clinicians are able to view the cardiac phases dynamically and review the calculated results.

enables the visualization and analysis of the myocardium with segmentation, color coding and polar maps. Analysis tools include measurements and comparison ratios. also includes reporting tools for formatting findings and user selected areas of interest.

#### Key Features

- Automatic segmentation of myocardium
- Quantitative measurements, including Myocardial Mass, and Hounsfield Unit (HU) attenuation
- Support for single or dual-volume exams

provides the visualization and measurement of vessel walls and plaque characteristics in arterial vessels using color defined Hounsfield Unit (HU) ranges through a streamlined workflow. It can assist in the stratification of patients identified to have atherosclerosis.

assists with the assessment of the aortic valve and in pre-operational planning and post-operative evaluation of transcatheter aortic valve replacement procedures.

The 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.

### **Education**

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

Course Title	Setting	Days	Units
Advanced Visualization Fundamentals	Classroom	3	2
Advanced Visualization Fundamentals - Core (Prerequisite: Advanced Visualization Fundamentals)	Classroom	1	1
Specialty Instruction for Colonography, Cardiovascular, Neurology or Oncology (Advanced)	Classroom	2	2
Advanced Enterprise Administrator	Classroom	2	3
Advanced Visualization Course	Client Facility	2	6
Enterprise Advanced Visualization	Client Facility	3	9
Four Hour Webinar Tailored to Client Site	Online	.35	1
On-Site, Five Classroom, Add-on	Client Facility	N/A	3
Include travel to classroom	N/A	N/A	2
eLearning Videos	Online	N/A	Unlimited
	Online	N/A	Unlimited
representative will contact the customer to set up training. <i>Rights to education offered with the software license will expire 12 months from the delivery date of the software to the customer.</i>			

**PREPLANNING COLLABORATION PKG--BODY  
EP PLANNING, LIVER  
ANALYSIS, ANALYSIS & XA 3D ANGIO--REQUIRES  
BASIC PACKAGE**

**add**

Pre-planning package provides 2-D, 3-D and 4-D advanced visualization tools for diagnostic professionals to view and evaluate anatomy and pathology. Offering outstanding image quality and clinical flexibility, this package includes the following:

- One year software maintenance and warranty upon delivery\*
- Six Education Units
- Customer must sign Vital Images software license agreement

**Note: Requires**

**Basic package**

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

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- aids with assessing the whole brain and evaluating perfusion deficits by displaying 4D-DSA (digital subtraction angiography) views of blood flow in the vessels and 3D perfusion maps. It supports the physician in visualizing the apparent blood perfusion in brain tissue affected by acute stroke. Automated tools help to efficiently visualize anatomy and pathology.

***Note: Application is not intended for use on 3-D DICOM XA (Xray Angiography) image data.***

for fX enables whole organ functional assessment using scanner. Parametric maps, based on the contrast flow through an organ, provide additional information to aid clinical decision-making. Views and layouts for dynamic display of images are created throughout the duration of the scan.

enables analysis and assessment of the left atrium and pulmonary veins. The application provides optimized 2D and 3D views with tools for quantitative measurements and 3D model export capabilities.

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.

provides tools for segmenting and quantifying the liver and liver-related tumors. It provides automatic registration for display of multiple series, optimized screen layouts and quantification tools for routine clinical measurements.

#### Key Features

- Single-click anatomy segmentation
- Visualization layouts for pre-surgical planning and tumor response assessment
- Quantitative measurements of segmented regions of the liver

Planning assists with the assessment of the aortic valve and in pre-operational planning and post-operative evaluation of transcatheter aortic valve replacement procedures.

### Probe

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

The Probe software provides visualization and analysis tools for rotational images acquired in angiography labs. 3D angiography provides enhanced 3D views of complex anatomy.

#### Key Features:

- Digital subtraction angiography (DSA) protocol with preset visualization settings for 3D evaluation of vessels
- Multi-volume fusion for displays of vessels, device and bone
- Standard 3D tools for dataset work
- Single-click segmentation, with automatic centerline and lumen boundaries, on DSA and digital angiography (DA) cases
- Displays clinical angles (CRA or CAU, RAO or LAO) in WHITE which can be reproduced, and displays the angles in RED when they can not be reproduced, and these angles update automatically as volume view is rotated
- Clinical angles can be sent back to X-ray system for positioning of the C-arm with a single click ( *labs only*)

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

Course Title	Setting	Days	Units
Advanced Visualization Fundamentals	Classroom	3	2
Advanced Visualization Fundamentals - Core (Prerequisite: Advanced Visualization Fundamentals)	Classroom	1	1
Specialty Instruction for Colonography, Cardiovascular, Neurology or Oncology (Advanced)	Classroom	2	2
Advanced Enterprise Administrator	Classroom	2	3
Advanced Visualization Course	Client Facility	2	6
Enterprise Advanced Visualization	Client Facility	3	9
Four Hour Webinar Tailored to Client Site	Online	.35	1
On-Site, Five Classroom, Add-on	Client Facility	N/A	3
Include travel to classroom	N/A	N/A	2
eLearning Videos	Online	N/A	Unlimited
Webinars	Online	N/A	Unlimited
A Vital Images representative will contact the customer to set up training. <i>Rights to education offered with the software license will expire 12 months from the delivery date of the software to the customer.</i>			

## EDUCATION UNITS

**add**

education units from 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.

## ADDENDUM

Summary of value-adds:

- Second Console
- 12 Months Extended Warranty
- Guarantee

### SECOND CONSOLE KIT

This ergonomic, second scanning console upgrades the system to a dual-console system. The scan console (scan system monitor) and the display console (image processing monitor) can be operated independently or in parallel in order to improve workflow and efficiency.

This is a genuine multi-tasking system for multi-slice and volume data sets.

- Includes user-friendly keyboards, mouse, monitors and CPU cabinet
- High line-rate, 19-inch, color monitor displays images in a 512x512 or 1024x1024 matrix using mouse and ergonomic keyboard

*Note: Requires software.*

*system with version 7*

















