| Item No. | Qty | Catalog No. | Description | Contract Price | Trade in Allowance | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|---|
| **1** | | | **Discovery XR656 Plus** | | | | |
| 1 | 1 | | Discovery XR656 Plus Base System with Single FlashPad Detector | | | | |
| | | | The Discovery XR656 Plus is an advanced digital radio graphic imaging system that provides excellent image quality, a variety of image manipulation and post-processing tools as well as the option to utilize    Healthcare's exclusive advanced clinical applications. Powered by FlashPad, wireless digital detector, workflow is streamlined with a SINGLE portable detector that can be used in the table, wall-stand or freely to best accomodate most 2D exam requirements as well as advanced radiographic requirements. | | | | |
| | | | At its core, the Discovery XR656 Plus delivers improved productivity through an efficient and intuitive workflow. The base system comes equipped with a systems cabinet, acquisition review workstation, image processing tools, short-term storage and quick in-room viewing of images. Also included is a host of networking and connectivity options, dose reporting, and system maintenance. These features are designed to make this system easy to use and reliable while providing high quality radiographic images in a digital environment. | | | | |
| | | | The Discovery XR656 Plus's core feature set can help streamline even | | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | the toughest exam. Consistent image quality helps reduce retakes, and unique image processing helps save time. With DICOM connectivity, the Discovery XR656 Plus connects easily to HIS, RIS or PACS for efficient data transfer. | | | |
| | | | The Discovery XR656 Plus base includes: xclusive FlashPad Wireless Digital Detector: | | | |
| | | | Wireless Digital Detector with batteries and optional tether | | | |
| | | | • Single panel (non-tiled) amorphous silicon detector with a Cesium Iodide scintillator and two handgrips that facilitate easy positioning and a secure grip. | | | |
| | | | • Wireless connectivity through Ultrawide Band Technology for fast, efficient and secure communications between the detector and the base system. | | | |
| | | | • Image area 40.4 cm x 40.4 cm (15.9 in. x 15.9 in.) | | | |
| | | | • Active matrix 2022 x 2022 pixels. | | | |
| | | | • Pixel pitch 200 microns. | | | |
| | | | • Typical upper dynamic range 7.8 mR @ RQA5. | | | |
| | | | • Typical DQE 68% @ 0lp @ RQA5. | | | |
| | | | • Weighs 4.32 kg (9.52 lbs.) without battery, 0.18 kg (0.40 lbs.) battery weight. | | | |
| | | | • A 6:1 clip-on grid for FlashPad detector. | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | • Dimensions: L 580 mm, H 452 mm, T 24 mm. | | | |
| | | | • Can support up to 160 kg (352 lbs.) of distributed load. | | | |
| | | | • Battery or tether operated. Includes two rechargeable and exchangeable batteries and 7 m cable (4 m or 10 m optional) for optimal connectivity and power | | | |
| | | | • Battery allows for 150 images to be taken in 3 hours. | | | |
| | | | • QAP (Quality Assurance Procedure) | | | |
| | | | • FlashPad detector can support Advanced Applications that are available on the Discovery XR656 Plus. | | | |
| | | | Acquisition Workstation The Acquisition Workstation includes: | | | |
| | | | • Two 19-inch Flat Panel Monitors that help desktop space required. | | | |
| | | | • Keyboard and Mouse | | | |
| | | | • CPU Tower with 6 GB RAM, 320 GB of hard drive storage and capacity for over 22,000 images. | | | |
| | | | • 120/140 VAC, 50/60 Hz. | | | |
| | | | • Easy Image Manipulation and Image Display which include: | | | |
| | | | • Window width and level | | | |
| | | | • Gray scale/contrast invert | | | |
| | | | • Interpolated zoom and roam | | | |
| | | | • Image flips (horizontal, vertical) with automatic indicator | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | • Image Rotate - 90 degree increments | | | |
| | | | • Free rotation - 360 degrees | | | |
| | | | • Image orientation management | | | |
| | | | • Electronic Left/Right Markers | | | |
| | | | • Free text annotation | | | |
| | | | • Manual shuttering | | | |
| | | | • Image Annotations and Measurement Tools | | | |
| | | | • Multi-Resolution Post Processing | | | |
| | | | • Customizable Image Processing to Match | | | |
| | | | • User Preferences | | | |
| | | | • CD-RW and DVD Drive for Image Archive | | | |
| | | | • Image Viewer on Archive CD's and DVD's | | | |
| | | | Acquisition Control System | | | |
| | | | • Single Point System Control and Monitoring. | | | |
| | | | • Auto-Protocol Programming: comes with default set of exam and view protocols and the ability to build an infinite number of exams or views through the editor function. User also has the ability to attach acquisition protocols. | | | |
| | | | • System manager allows equipment error logging and provides resident power up diagnostics. | | | |
| | | | • kVp selections range from 40-150 in 1-kVp increments. | | | |
| | | | • Focal Spot Sizes of 0.6 and 1.2 | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | mm - mA | | | |

Patient Management

- DICOM Modality Worklist for HIS/RIS
  - SCU (with programmable auto refresh)
- Patient edit/auto-foldering (Copy exam)
- Patient Dose Reporting Calculated Dose Monitoring (mGry)
- "Patient Directory" provides fast access to the image and exam database for case reviews and file management.
- Detector Exposure Indicator: tool for detector dose feedback to ensure exposure was within normal limits.
- Emergency Patient Exam Capability Emergency patient feature – allows user to open exam and acquire images without a worklist entry.
- The Copy Patient function allows merging of the patient information with the exam images.
- Fast Image Display - Average time for a partially processed image is approximately three seconds and less than eight seconds for fully processed images. Times may vary based on how the detector is connected to the system (i.e. docked, tethered or wireless)

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | • Set of default adult and pediatric protocols allows quick selection of the appropriate techniques for common procedures/ exams with the ability to define unlimited number of custom protocols. | | | |
| | | | • Set of four Factory (GE pre-set) image processing selections (looks) optimized for each anatomical view with the ability to define multiple Custom looks for each anatomical view/patient size combination. | | | |
| | | | • Automatic image storage and print with DICOM 3.0 and IHE Compliant networking, further increasing exam throughput and decreasing examination times for patients. | | | |
| | | | Image Quality and Dose | | | |
| | | | • Multi-resolution image processing capability | | | |
| | | | • Tissue Equalization used to correct over penetrated and under-penetrated areas within (Smart Windowing) the image. | | | |
| | | | • Auto and manual image shuttering cropping tool. | | | |
| | | | • Automated brightness/contrast setting (Smart Windowing) | | | |
| | | | • Orthopedic Magnification/Print | | | |
| | | | • Detector Exposure Index (DEI) dose tracking and QC metric. | | | |
| | | | • Dose Area Product (DAP) - dose entrance metric. | | | |
| | | | • Grid Line Reduction (selectable) | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | • Intelligent Collimator Edge Detection automated, image based cropping/shuttering tool that relies solely on image information to locate the collimator edges present in the image.<br>• Orthopedic Magnification/Print<br><br>DICOM and Standard Networking Capabilities<br><br>Images may be transmitted manually or auto matically through the DICOM interface to printers, archival devices, servers, or review workstations.<br><br>Please refer to the DICOM Conformance Statement for complete definition of supported DICOM connectivity services. DICOM and Standard<br><br>Networking Capabilities include:<br><br>• Ethernet Network Link - DICOM 3.0.<br>• DICOM Storage (with auto-send to different locations)<br>• DICOM Storage Commitment (with programmable auto delete function)<br>• DICOM Modality Worklist for HIS/RIS (with auto refresh)<br>• DX/CR Worklist Filtering.<br>• DICOM Media Interchange on DVD-R.<br>• DICOM Modality Perform Procedure Step (MPPS) feedback to the HIS/RIS (SPS | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | PPS) | | | |
| | | | • DICOM Grayscale Print (with print layout at the console) | | | |
| | | | • DICOM Query/Retrieve (retrieves images back from PACS) | | | |
| | | | • System Access & Authorization Control to support HIPAA Compliance. | | | |
| | | | • Full Range of Printing Options. | | | |
| | | | • Numerous Layout and Format Options. | | | |
| | | | Systems Cabinet | | | |
| | | | • Built-in System Distribution Power Module and Circuit Breaker for Single Point Power Feed to Room Subsystems. | | | |
| | | | • Modular Designed X-ray System Based on a Digital Communications Network for Improved Reliability and Image Quality. | | | |
| | | | Quality Control/System Reliability Features | | | |
| | | | Preventing customer experienced system failures and reducing unplanned system downtime as critical. | | | |
| | | | The following features help to achieve these goals: | | | |
| | | | • Using the integrated system Quality Assurance Procedure (QAP), image quality checks can be easily performed by the customer. | | | |
| | | | • The QAP includes a phantom, | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | optimized for Digital Image Quality testing and is included with the system. | | | |
| | | | • System changes are highlighted and can be corrected before they become a problem. | | | |
| | | | Discovery XR656 Overhead Tube Suspension | | | |
| | | | The Overhead Tube Suspension (OTS) system with motorized movement delivers excellent levels of operational support for efficient operation and precise positioning. | | | |
| | | | The Overhead Ceiling Tube Suspension Package includes: | | | |
| | | | • Auto-Positioning Package (included in base | | | |
| | | | • Auto-Positioning enables the users to select a predefined system position from the system console and automatically move the equipment by simply holding the "Auto Positioning" buttons. This feature reduces user fatigue and increases the productivity of the operator. | | | |
| | | | • Auto-Positioning is controlled at the acquisition workstation or with the IR remote control, allowing the user to remain in the room while moving the system | | | |
| | | | • Pre-set positions at the table,wallstand and park position at various SIDs and | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | vertical and horizontal orientations. | | | |
| | | | • Auto-Positioning will incorporate angulation of the tube, longitudinal, lateral, rotational and vertical positioning of OTS, table detector longitudinal positioning, wallstand detector vertical positioning. | | | |
| | | | • Auto-Positioning comes with 7 default positions and up to 10 additional user defined positions can be added to the system. | | | |
| | | | • Tube and Detector Tracking Synchronized tube and detector tracking enables convenient workflow by keeping the tube correctly aligned with the wall-stand or table detector. | | | |
| | | | • Motorized 5-axis movements Supported Positions: park, table 100 cm SID (head, center, foot), wallstand 100 cm and 180 cm wallstand 100 cm and 180 cm CID, and horizontal wallstand 100 cm SID. | | | |
| | | | • IR Remote - The infrared remote is an in-room control allowing the technologist greater flexibility & ability to pre-position the system automatically in preparation for the next clinical exam/view. | | | |
| | | | • Auto or manual positioning with single lock lock release and auto detents for assisted | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | manual positioning. | | | |

- Touch-screen user interface with LCD screen display helps confirm patient data, review techniques, receptor selection and modify/confirm wireless detector association.The easy to Read, Auto Rotating user screen also includes a message readout line and easy to see light indicators.
- Patient Side Touch Screen User provides the following functions to the user:
- Lock, Detent Control
- Field of View Image Size Selection
- Collimator Field Light Selection
- Technique Adjust (kVp, mAs)
- Receptor Selection (table, wallstand, wireless or cassette)
- Exam Inhibit Display
- Collimator Manual Override
- Position Display (Source-to-Image Distance, X-ray Tube Angle, Column Rotation Angle)
- Display of Patient Name for In-Room Verification (this feature can be disabled)

Repeat and Reject Analysis for the Discovery XR656 Plus and Optima XR646

The Repeat and Reject Analysis (RRA) software package is a quality control (QC) application that allows for repeat

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | or reject images to be captured and categorized by a technologist. It is designed to help track and analyze the X-ray repeat rate | | | |
| | | | • The easy-to-use operator interface helps technologists classify each image they reject and to select a specific reason for the repeat/image rejection. | | | |
| | | | • RRA can be a helpful teaching tool because it includes links to actual JPEGs of the rejected images to help the user analyze why the image was rejected. | | | |
| | | | • The RRA application tracks the rejected image data by operator, exam type, date and reason code. | | | |
| | | | • Reports can be exported in DVD, CD or USB format for ease of use. | | | |
| | | | Auto Protocol Assist for the Discovery XR656 Plus and Optima XR646 | | | |
| | | | Auto-Protocol Assist – the system will automatically transition directly to the Acquire screen when the protocol code downloaded from the HIS/RIS (automatically performed with worklist refresh) matches the exam code contained in the protocol database. This tool eliminates the user steps required to select patient exam types and initiate an exam. | | | |
| | | | Auto Field of View for the Discovery XR656 Plus and Optima XR646 | | | |
| | | | Auto Field of View enables the user to pre define the collimation size on an | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | individual view basis. Helps improve workflow by reducing the time is takes to make the final collimation adjustment for a particular exam. | | | |
| 2 | 1 | | 2, 3 or 4 Meter Longitudinal Drive Belt Kit | | | |
| 3 | 1 | | 2, 3 or 4 Meter Longitudinal Rail Select (Dependent on Room Size) | | | |
| 4 | 1 | | 2, 3 or 4 Meter Bridge Select (Dependent on Room Size) | | | |
| 5 | 1 | | 2, 3 or 4 Meter Bridge Cable Select | | | |
| 6 | 1 | | 2, 3 or 4 Meter Bridge Cable Drape Select | | | |
| 7 | 1 | | Required System Language Labels - English | | | . |
| 8 | 1 | | 80kW High Frequency Generator, 50 or 60Hz The high frequency 80kW power unit is designed for radiographic applications and utilizes microprocessor controlled power and parameter adjustment<br><br>Specifications:<br>• 1000mA at 80kVp<br>• 800mA at 100kVp<br><br>Input Power: 360-480VAC, 3 Phase, 60Hz<br><br>kVp Range: 40-150kVp, 1kVp increments<br><br>kVp Accuracy: 3% +/-2kVp mA<br>Range:<br>• Small Focal Spot: 10-320mA<br>• Large Focal Spot: 160-1000mA | | | . |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| 9 | 1 | | Portable Carbon Fiber Table with Fixed Top<br><br>Table - Fixed Height Carbon Fiber Top<br>• Table top 25.6 x 86.6 in. (65 x 220 cm)<br>• Useful imaging area 25.6 x 76.4 in. (65 x 19.4 cm)<br>• Table top height from the floor 27.6 in. (70 cm)<br>• Table weight 66.1 lbs (30kg)<br>• Patient weight limit 441 lbs. (200kg) | | | |
| 10 | 1 | | Discovery XR656 Plus Tilting Wallstand with Extended Length Arm<br><br>Discovery XR656 Plus Digital Tilting Wallstand is designed for radiography applications with the patient standing, sitting or lying on a gurney.<br><br>The Discovery XR656 Plus wallstand is designed for use with GE's exclusive FlashPad wireless digital detector, overhead tube suspension, ion chamber and removable non-reciprocating grid. The FlashPad wireless digital detector can be operated docked, tethered, or in a wireless digital cassette mode<br><br>• The wallstand is motorized Electromagnetic braking secures vertical motion.<br>• Motorized receptor tilting controlled with either IR remote control or hand switches located on the arm. | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | • Vertical motorization of the wallstand with foot switch or IR remote control. | | | |
| | | | • Auto-tracking from the overhead tube suspension. | | | |
| | | | • Graphic outlines of image sizes and ion chamber scan areas on the front panel enhance accuracy and safety. Preparation is fast and simple for better patient throughput. | | | |
| | | | • The wallstand tilts from -20 degrees to 90 degrees. | | | |
| | | | • The wallstand grids are removable from the side. | | | |
| | | | • It is configurable for either left or right side insertion. | | | |
| | | | • The wallstand comes with one removable grid | | | |
| | | | • 130 cm Focus Grid | | | |
| | | | • 180 cm (72 in.) focus grid with a SID range of 145 cm - 245 cm (70 lines/cm, 13:1 ratio) | | | |
| | | | • Automatic Exposure Control (AEC) utilizes three ion chamber sensors, which are mounted between the patient and digital detector. | | | |
| | | | • Automatic Exposure Control (AEC) on this extended arm utilizes three ion chamber sensors which are mounted between the patient and digital detector on the wallstand. The addition of the 4th ion chamber provides for supine chest and abdominal imaging when a | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | stretcher is used (anytime the wallstand housing is horizontal). The standard right, left and center ion chambers are available when the wallstand is in the vertical position.<br>• Includes patient handgrips and a lateral support bar.<br><br>100 cm Focus Wallstand Grid - 100 cm (40 inch) focus - 13:1 ratio, 70 lines/cm | | | |
| 11 | 1 | | Dual Energy Subtraction Chest and Abdomen<br><br>Dual Energy Subtraction is an Advanced Clinical Application.<br><br>Provides three diagnostic images:<br>• Standard<br>• Soft tissue only<br>• Bone only<br>• Technique is available for PA/AP chest and abdomen imaging. | | | |
| 12 | 1 | | PO TAG REMOVE PERMANENT | | | |
| 13 | 1 | | Uninterrupted Power Supply | | | |
| 14 | 1 | | XR656 TECH PUB MANUALS | | | |
| 15 | 1 | | 25 KAIC X-Ray Main Disconnect Panel 80 Amp, 480 V / 208 V<br><br>FEATURES/BENEFITS<br>• Serves as the main power disconnect between the X-Ray system and the facility 480V or 208V power source<br>• Provides emergency shut | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | down, undervoltage protection and overcurrent protection for the X-Ray power distribution cabinet | | | |

- Standardized design provides a platform for future upgrades of the system
- Offers a number of advantages by combining a variety of individual components into a single pre-engineered and factory tested panel
- UL and cUL listed for compliance with NEC Article 100 and Article 110-3
- Remote emergency off pushbutton located by X-Ray control provides immediate shut down of the entire system to comply with NEC required disconnecting means
- Surface or semi-flush mounting

SPECIFICATIONS

- Dimensions (H x W x D): 48" x 20" x 6.68"
- Weight: 80 lbs.
- Mounting: via keyhole slots; Width is 16" on centers, Height is 45.5" on centers

COMPATIBILITY

- GE Three Phase X-Ray generators

NOTES:

- Customer is responsible for rigging and arranging for

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| | | | installation with a certified electrician | | | |
| | | | • ITEM IS NON-RETURNABLE AND NON-REFUNDABLE | | | |
| 16 | 1 | | X-ray TiP Training, 4 Consecutive Days Onsite | | | |
| | | | Four Days X-ray Onsite Training provided from 8AM to 5PM, Monday through Friday. Includes T&L expenses. Days provided consecutively. | | | |
| | | | This training program must be scheduled and completed within 12 months after the date of product delivery. | | | |
| 17 | 1 | | Discovery XR656 Differences Training | | | |
| | | | The Discovery XR656 Differences training is a web based course. It highlights what is new and unique with the Discovery XR656 system, FlashPad and associated components compare to the Discovery XR650 system. It is designed for the engineer who has previously completed training on the Discovery XR650 system. Moving forward content on the Discovery XR656 as well as the the Discovery XR650 will be included in the Digital Rad Systems course R0122RY. This course must be taken within 2 years from the purchase date. | | | |
| 18 | 1 | | Connection cables for the wallstand | | | . |
| | **1** | | **NonProducts** | | | |

| Item No. | Qty | Catalog No. | Description | Contract Price | Discount | Ext Sell Price |
|---|---|---|---|---|---|---|
| 19 | 1 | | Rigging for Siemens Chest Room | | | |
| | | | Trade In allowance, if applicable. ) | | | |