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P.O.# 578-B88032

Item No.	Qty	Catalog No.	Description
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1	1		<p>Discovery XR656 HD BASE SYS US</p> <p>Discovery XR656 HD powered by Helix™</p> <p>Discovery™ XR656 HD is GE's all new digital radiographic system powered by Helix™ advanced image processing and featuring an expanded suite of workflow automation & analytics tools. Helix™ Advanced Image Processing</p> <p>Helix™ advanced image processing algorithms harness the full high-resolution power of FlashPad HD detectors to deliver exceptional image quality despite challenging exams conditions.</p> <p>Helix algorithms are designed to deliver outstanding resolution, excellent edge presentation, consistency, and noise handling</p> <p>With Discovery XR656 HD, no more unnecessary X-ray image adjustments and repeated exams. Just sharp detail and the balanced contrast and brightness you need at low dose, right from that very first image</p> <p>The Discovery XR656 HD base system includes:</p> <p>The Acquisition Workstation is the primary interface to the network and provides image post-processing capabilities. The System Controller Module provides single point control,</p>
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			<p>directing and coordinating overall system operation, while monitoring all system modules automatically through software.</p> <p>The Acquisition Workstation includes:</p> <p>24" Acquisition Workstation</p> <p>Keyboard and Mouse</p> <p>CPU Tower with 16GB RAM, 1 TB of hard drive storage and capacity for over 17,000 images.</p> <p>Easy Image Manipulation and Image Display Tools which include:</p> <p>Window width and level</p> <p>Gray scale/contrast invert</p> <p>Interpolated zoom and roam</p> <p>Image flips (horizontal, vertical) with automatic indicator</p> <p>Image Rotate - 90 degree increments</p> <p>Free rotation - 360 degrees</p> <p>Image orientation management</p> <p>Electronic Left/Right Markers</p> <p>Free text annotation</p> <p>Manual shuttering</p> <p>Image Annotations and Measurement Tools</p> <p>Multi-Resolution Post Processing</p> <p>Customizable Image Processing to Match</p> <p>User Preferences</p> <p>CD-RW and DVD Drive for Image Archive</p> <p>Image Viewer on Archive CD's and DVD's</p> <p>"Patient Directory" provides fast access to the image and exam</p>

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			<p>database for case reviews and file management.</p> <p>Detector Exposure Indicator: tool for detector dose feedback to ensure exposure was within normal limits.</p> <p>Emergency Patient Exam Capability Emergency patient feature - allows user to open exam and acquire images without a worklist entry.</p> <p>The Copy Patient function allows merging of the patient information with the exam images.</p> <p>Fast Image Display - Average time for a partially processed image is approximately three seconds and less than eight seconds for a fully processed image. Times may vary based on how the detector is connected to the system (i.e. docked, tethered or wireless)</p> <p>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.</p> <p>Set of 4 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.</p> <p>Automatic image storage and print with DICOM 3.0 and IHE Compliant networking, further increasing exam throughput and decreasing examination time for patients.</p> <p>Image Quality and Dose</p>

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			<p>Multi-resolution image processing capability.</p> <p>Tissue Equalization used to correct over -penetrated and under-penetrated areas within the image.</p> <p>Auto and manual image shuttering cropping tool.</p> <p>Automated brightness/contrast setting (Smart Windowing)</p> <p>Orthopedic Magnification/Print.</p> <p>Detector Exposure Index (DEI) dose tracking and QC metric.</p> <p>Dose Area Product (DAP) entrance dose metric.</p> <p>Grid Line Reduction (selectable)</p> <p>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.</p> <p>Orthopedic Magnification/Print.</p> <p>Networking</p> <p>IHE Compliance for Scheduled Workflow Integration Profile. Images may be transmitted manually or automatically through the DICOM interface to printers, archival devices, servers, or review workstations. System Access and</p> <p>Authorization Control to support HIPAA Compliance.</p> <p>DICOM 3.0 and Standard Networking Capabilities include:</p> <p>Systems Cabinet</p>

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			<p>Built-in System Distribution Power Module and Circuit Breaker for Single Point Power Feed to Room Subsystems.</p> <p>Modular Designed X-ray Systems Based on a Digital Communications Network for Improved Reliability and Image Quality.</p>
2	1		<p>XR656 HD OTS US</p> <p>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:</p> <p>Automation collimator includes:</p> <p>LED light collimator</p> <p>inherent filtration 2.0 mm Al @ 70kV</p> <p>Rotation +/- 90 degrees</p> <p>Copper filter can be added manually or automatically via protocol set up at none, 0.1mm, 0.2mm, 0.3mm</p> <p>Auto-Positioning Package :</p> <p>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.</p> <p>Auto-Positioning is controlled at the acquisition workstation or with the IR remote control, allowing the user to</p>

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			<p>remain in the room while moving the system.</p> <p>Pre-set positions at the table, wallstand and park position at various SIDs and vertical and horizontal orientations.</p> <p>Auto-Positioning will incorporate angulation of the tube, longitudinal, lateral, rotational and vertical positioning of OTS, table detector longitudinal positioning, wallstand detector vertical positioning.</p> <p>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.</p> <p>Motorized 5-axis movements Supported Positions: park, table 100 cm SID (head, center, foot), wallstand 100 cm and 180 cm CID, and horizontal wallstand 100 cm SID.</p> <p>Optional 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.</p> <p>Auto or manual positioning with single lock release and auto detents for assisted manual positioning.</p> <p>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</p>

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			<p>screen also includes a message readout line and easy to see light indicators.</p> <p>Patient Side Touch Screen User provides the the following functions to the user:</p> <p>Lock, Detent Control</p> <p>Field of View Image Size Selection</p> <p>Collimator Field Light Selection</p> <p>Technique Adjust (kVp, mAs)</p> <p>Receptor Selection (table, wallstand, wireless or cassette)</p> <p>Exam Inhibit Display</p> <p>Collimator Manual Override</p> <p>Position Display (Source-to-Image Distance, X-ray Tube Angle, Column Rotation Angle)</p> <p>Display of Patient Name for In-Room Verification (this feature can be disabled)</p>
3	1		<p>Inboard Rail Select</p> <p>2, 3 or 4 Meter Longitudinal Rail Select (Dependent on Room Size)</p>
4	1		<p>3M OTS Bridge and Cables</p> <p>3M OTS Bridge and Cables</p>
5	1		<p>65kW High Frequency Generator</p> <p>65kW High Frequency Generator, 50 or 60Hz The high frequency 65kW power unit is designed for radiographic applications and utilizes microprocessor controlled power and parameter adjustment</p> <p>Specifications:</p>

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			<ul style="list-style-type: none"> • 800 mA at 80 kVp • 630 mA at 100 kVp Input Power: 360-480VAC, 3 Phase, 60Hz <p>kVp Range: 40-150 kVp, 1 kVp increments</p> <p>kVp Accuracy: 3% +/-2 kVp</p> <p>mA Range:</p> <ul style="list-style-type: none"> • Small Focal Spot: 10-320mA • Large Focal Spot: 160-800mA
6	1		<p>Int Flashpad HD 10x12</p> <p>FlashPad HD2530 (10" x 12" Wireless integrated digital detector):</p> <ul style="list-style-type: none"> - Detector battery can take up to 60 exposure per hour and provide enough power for 2.5 hours of use on a single charge - Single panel (non-tiled) amorphous silicon detector with a directly deposited cesium iodide scintillator - Pixel pitch 100 microns - Pixel matrix: 2508x3004 pixels - Image area: (11.7 in x 9.8 in) - Typical DQE @ 0lp/mm: 75% - Include QAP (Quality Assurance Procedure) - Available with 6:1 or 8:1 removable grids - Weight: 1.9kg (4.2lbs) - 802.11n 5GHz link between system and detector - Supports automatic channel switching to improve image transfer <p>FlashPad HD2530 (10" x 12" Wireless digital detector),and avoid wireless</p>

Item No.	Qty	Catalog No.	Description
			interference with hospital
7	3		<p>Int Flashpad HD 14x17</p> <p>FlashPad HD3543 (14" x 17" Wireless integrated digital detector):</p> <ul style="list-style-type: none"> - Detector battery can take up to 60 exposures per hour and provide enough power for 5 hours of use on a single charge - Single panel (non-tiled) amorphous silicon detector with a directly deposited cesium iodide scintillator - Pixel pitch 100 microns - Pixel matrix: 3524 x 4288 pixels - Typical DQE @ 0lp/mm: 75% - Include QAP (Quality Assurance Procedure) - Available with 6:1 or 8:1 removable grids - Image area: (13.8 in x 16.6 in) - Weight: 3.2kb (7.1 lbs) - 802.11n 5GHz link between system and detector - Supports automatic channel switching to improve image transfer and avoid wireless interference with hospital network
8	1		<p>GRID 6:1 14X17IN</p> <p>6:1 Grid for FlashPad HD3543</p> <p>70 lines/cm, 6:1 ratio, focus 130 cm</p> <p>(universal) SID range 85 cm – 190 cm</p>
9	1		<p>BATTERY CHARGER 14X17IN</p> <p>Battery charger for FlashPad HD3543 (14" x 17" Wireless digital detector):</p>

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			<p>The external desktop charger is intended to charge up to two Flashpad HD3543 rechargeable lithium#ion batteries simultaneously.</p> <p>The external desktop charger:</p> <ul style="list-style-type: none"> - Displays the status of the battery packs - Contains two charging bays. Status lights on the charger indicate the status of each battery pack - Will charge the battery in up to three hours, depending on the initial state of charge - Is keyed to accept the battery in one orientation
10	1		<p>DETECTOR BATTERY 14X17IN</p> <p>DETECTOR BATTERY 14X17IN</p>
11	1		<p>System Wireless Access Point</p> <p>System Wireless AP(Access Point) for internal WIFI communication with wireless detectors, with USA Labeling and Certification.</p>
12	1		<p>Premium Bariatric Table</p> <p>Premium Elevating Table</p> <p>A bariatric X-ray table enables you to serve the X-ray imaging needs of patients of all sizes and mobility levels.</p> <p>The elevating table P has a high precision bearing system that guaranties a smooth and parallel movement on the eight (8) ways of the table top. The ergonomic design makes it friendly-use for both the</p>

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			<p>patient and operator</p> <ul style="list-style-type: none"> - 8 way float carbon fiber composite table top - Table surface area 37" x 94" - Variable height from 19.7" to 33.5" - Max table weight 400kg (882lbs) - Max bucky travel 31.5" - Motion safety features like double tap foot pedals, dual emergency stop buttons, anti-collision and anti-pinch sensors.
13	1		<p>Table Cable Select</p> <p>Table Cable Select</p>
14	1		<p>Table Rear Foot Pedal for use with Premium Table</p> <p>Table Rear Foot Pedal</p>
15	1		<p>40" Table Grid</p> <p>40" Table Grid</p> <p>70 lines/cm,12:1 ratio, focus 100 cm (40 in), SID range 90 cm-120 cm</p>
16	1		<p>Standard Arm Tilting Wallstand</p> <p>Tilting Wallstand with Standard Length Arm is designed for radiography applications with the patient standing, sitting or lying on a gurney.</p> <p>Designed for use with GE's exclusive FlashPad HD wireless digital detector, overhead tube suspension and ion chamber. The FlashPad HD wireless digital detector can be operated docked, tethered or in a wireless digital cassette mode.</p>

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			<p>The wallstand is motorized.</p> <p>Electromagnetic braking secures vertical motion.</p> <p>Motorized receptor tilting controlled with either IR remote control or hand switches located on the arm.</p> <p>Vertical motorization of the wallstand with foot switch or IR remote control.</p> <p>Auto-tracking from the overhead tube suspension.</p> <p>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.</p> <p>The wallstand tilts from -20 degrees to 90 degrees.</p> <p>The wallstand grids are removable from the side.</p> <p>It is configurable for either left or right side insertion.</p> <p>Automatic Exposure Control (AEC) utilize three ion chamber sensors, which are mounted between the patient and digital detector.</p>
17	1		<p>Wallstand Cable Selection</p> <p>Wallstand Cable Selection</p>
18	1		<p>72" Wallstand Grid</p> <p>72" Wallstand Grid</p> <p>70 lines/cm, 13:1 ratio, focus 180 cm (72 in) SID range 145 cm - 245 cm</p>
19	1		<p>40" Wallstand Grid</p> <p>40" Wallstand Grid</p>

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			70 lines/cm, 13:1 ratio, focus 100 cm (40 in) SID range 90 cm-118 cm
20	1		Universal Wallstand Grid Universal Wallstand Grid 70 lines/cm, 10:1 ratio, focus 130 cm (universal) SID range 90 cm-190 cm
21	1		Autorad Package AutoRAD Suite offers an extensive set of automation and workflow enhancing features, to make exam set up fast, intuitive and easy for X-ray technologists and comfortable for patients. On Discovery XR656 HD, the complete AutoRAD suite includes Auto Positioning - High-precision auto positioning. Pre-set and programmable positions at the table, wall stand and park position Auto Tracking - maintains SID and tube/detector alignment with table and wall stand receptor Auto QA - Minimal down time for Quality Assurance and no user calibrations required with Auto QA. Quick and easy image quality checks with the integrated system Quality Assurance Procedure (QAP) Auto Protocol Assist - Allow automation by matching procedure codes from Modality Work List to selected anatomy technique Auto Field of View - Optimize time spent on final collimation adjustments with Auto Field-of-View with easily pre-defined collimation size on an individual view basis

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			Repeat Reject Analysis - The Repeat and Reject Analysis (RRA) software package is a quality control (QC) application available that allows for repeat or reject images to be captured and categorized by technologist. It is designed to help track and analyze the X-ray repeat rate.
22	1		Patient Orientation-Tag Patient Orientation-Tag
23	1		UPS Uninterrupted Power Supply
24	1		GRID HOLDER GRID HOLDER
25	1		Infrared Remote Infrared Remote Control The infrared remote optionally allows remote control of several system features (e.g., collimator light, FOV selection, wallstand and OTS motorization).
26	1		Table Detector Holder Table Detector Holder
27	1		Operation Console RCIM2 Operation Console RCIM2
28	1		25 KAIC X-Ray Main Disconnect Panel 80 Amp, 480 V / 208 V 25 KAIC X-Ray Main Disconnect Panel 80 Amp, 480 V / 208 V

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FEATURES/BENEFITS

- Serves as the main power disconnect between the X-Ray system and the facility 480V or 208V power source
- Provides emergency shut 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

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			<ul style="list-style-type: none"> GE Three Phase X-Ray generators <p>NOTES:</p> <ul style="list-style-type: none"> Customer is responsible for rigging and arranging for installation with a certified electrician ITEM IS NON-RETURNABLE AND NON-REFUNDABLE
29	1		<p>Discovery XR656 HD Expert Package: Experience Non-GE digital user or system configuration includes Angled Auto Image Pasting software</p> <p>Discovery XR656 HD Expert Package: Experience Non-GE digital user or system configuration includes Angled Auto Image Pasting software</p> <p>Discovery XR656 HD Expert Package: Experience Non-GE digital user or system configuration includes Angled Auto Image Pasting software</p> <ul style="list-style-type: none"> Six full days (1 day = 8 hours) <p>Includes one 4-day on-site visit to coincide with system go-live and one 2-day on-site follow-up visit to be scheduled Monday through Friday 8 AM to 5 PM. Training cannot be scheduled as single day events. Training expires 12 months from the date of go-live of equipment or purchase, whichever is the latest.</p>