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Qty

Item Description

1

Ysio Max

Ysio Max is a complete family of digital radiography solutions that recognize the individuality of your clinical imaging routine and can be perfectly tailored to match your imaging requirements.

PRELIMINARY PROPOSAL

Qty

Item Description

Different optional levels of system automation and remote control enable a perfect balance of patient focus and economic success.

This universal digital radiographic workplace for skeletal radiography of the recumbent, standing or seated patient utilizes up to four permanently installed or wireless flat detectors.

The syngo FLC digital one-stop workflow from patient registration to image documentation offers fast and easy operation for consistent exam settings and a consistent image impression*.

Following items are included in the standard delivery:

- Optitop tube
- 65 kW generator
- Keyboard/Mouse
- Grid holder
- Storage capacity: 10.000 RAD images
- CD / DVD recorder

* The description in the "DICOM Conformance Statement" downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s).

1

Bucky Wall Unit with MAX static

Floor-mounted Bucky wall stand with height-adjustable and tiltable detector tray with a MAX static flat detector for digital acquisitions. With IONTOMAT three-field chamber and Bucky frame. Detector Bucky operated from the right side. Vertical height adjustment and detector tilt possible from both sides.

1

Ysio Table for MAX wi-D

Bucky table in compact design, for X-ray exposures of the entire body with detector tray for MAX wi-D.

1

MAX wi-D

Light-weight mobile, wireless 35 cm x 43 cm (14" x 17") detector with handgrip for comfortable and safe handling.

The detector can be used with all other MAX systems based on the MAXswap feature.

1

MAX wi-D Clip-on Grid 5/85 F115

Grid (5/85), f 115 cm

Highly selective anti-scatter grid for scattered radiation reduction:

- Pb 5/85 (grid ratio 5:1, 85 lines/cm)
- Grid focusing for SID 115 cm (45")

1

Charger f. MAX wi-D and MAX mini

This charger can be used to charge the replacement batteries for the MAX mini and MAX wi-D detectors.

Please note: The MAX mini battery can only be charged with this charger.

1

Transparent grid 13/92, F180

Highly selective anti-scatter grid for scattered radiation reduction.

1

Transparent grid 13/92, F115

Highly selective anti-scatter grid for scattered radiation reduction.

PRELIMINARY PROPOSAL

Qty	Item Description
1	80 kW Upgrade An upgrade of the high-frequency X-ray generator from 65 kW to 80 kW power, to improve performance and expand the spectrum of possible applications.
1	Upgr foot kick switch front & rear Foot switch at the Ysio table base for hands free table height adjustment and tabletop float release.
1	SmartOrtho License SmartOrtho is an automated tilting technique for long leg and full spine imaging. Up to 4 single images can be acquired to cover the selected region with the patient in standing or lying position. The images are automatically composed into a single image on the imaging system.
1	Multipurpose stand The multipurpose stand stabilizes the patient during upright examination, such as long leg and long spine imaging to prevent motion artifacts. It allows the safe movement of the bucky tray during the image acquisition procedure. The stand is light weight, easy to maneuver even through doors and provides height adjustable handgrips for the patient. The package includes: <ul style="list-style-type: none"> - Patient hand grips, left and right - Additional platform for smaller patients (e.g. children) and to make sure that the whole patient body can be mapped
1	19"Color Flatscreen Display LCD color flat screen display with high luminance and extended field of view.
1	DICOM WORKLIST & MPPS Import of patient/examination data from an external RIS (Radiology Information System) /HIS (Hospital Information System) patient management system with DICOM MWL (Modality Worklist) as well as feedback on the examination status with DICOM MPPS (Modality Performed Procedure Step).
1	IPV6 NAT Router This router enables data transmission via IPV6 network.
1	Caremax plus HS Integrated CAREMAX plus DAP meter for measuring the dose-area product (DAP) and/or standardized patient entry dose. Resolution 0.01 µGym².
1	VA Kit Second set of documentation for Veterans' Affairs Administration Hospitals in the U.S.
1	Initial onsite training 24 hrs Up to (24) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	Additonal onsite training 12 hours Up to (12) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training

PRELIMINARY PROPOSAL

Qty

Item Description

will cover agenda items on the ASRT approved checklist if applicable. This educational offering must be completed (12) months from purchase date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

1

Additional onsite training 12 hours

Up to (12) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist if applicable. This educational offering must be completed (12) months from purchase date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

1

Standard Rigging DigRad

1

Eaton 5P 850G Tower UPS

850VA / 600W

Input: IEC C14

Output: (6) IEC C13

Dimensions (H x W x D): 9.1" x 5.9" x 13.6"

Weight: 23.0 lbs.

Run Time @ Full Load: 4 min.

Run Time @ Half Load: 14 min.

This product is not OSHPD certified.

Includes two year limited warranty with depot exchange through Eaton.

1

Portable DR Panel Protector(14x17)

The unique design of the DR Panel Protector provides an easy way to take weight-bearing x-rays of feet (AP view). The unit is simply placed over the DR panel which is first positioned on the floor. Patients step onto the DR Panel Protector with as much weight as needed to get the desired image. The face plate is made of polycarbonate designed to support patients weighing up to 500 pounds. The face plate is x-ray lucent, allowing the x-rays to pass through the DR Panel Protector with no significant absorption or scattering. The non-slip rubber floor grips keep the DR Panel Protector from slipping on a hard floor. The Panel Protector frame is notched to accommodate the cable connection from the digital DR panel to the host system. One year warranty through Clear Image Devices

1

Mobile detector holder for Max wi-D

The versatile holder accommodates computed radiography (CR) cassettes and light portable DR Panels (including the max wi-D detector) with a total weight (including clip-on grid if required) of less than 4.3kg (9.5 lbs).

The holder rolls on large locking castors and facilitates examinations in accident and emergency departments, in operating rooms and radiographic rooms. The heavy duty base gives a low center of gravity.

Properties:

- The holder is adjustable for height from floor level to 50 in (measured from its lower edge)
- The holder is counterbalanced for easy rising or lowering and can overhang the x-ray or operating table by 24 in.
- Supports detectors with a width of 9.6 to 21 in
- Maximum detector thickness 1.2 in (including clip-on grid if required)
- The holder can be turned & tilted and orientated to suit any examination position
- Effective locks keep the holder firmly in place

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
1	SY_PR_TEAM PLAY	<p>teamplay Welcome & Registration Package</p> <p>teamplay is a cloud-based network that brings together your imaging modality users, the systems' dose and utilization data, and the users' expertise to help you improve the delivery of care to your patients. Basic features are provided free of charge. Premium features (benchmarking, non-Siemens devices) are provided on a trial basis for three months at no charge, and may be used thereafter on a subscription fee basis.</p> <p>To register: http://teamplay.siemens.com/#/institutionRegistration/1</p>
1		<p>Offset onsite Training 24 hrs)</p> <p>One complimentary biomedical tuition is included with the purchase of this system. This training must be completed before the end of the warranty period.</p> <p>This educational offering must be completed by the later of (12) months from purchase of training or if applicable, completion of installation. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>
1		<p>Offset onsite Training 12 hrs ()</p>
1		<p>Offset onsite Training 12 hrs ORTHO</p>

PRELIMINARY PROPOSAL

OPTIONS

OPTIONS

Qty	Item Description
1	Transparent grid 15/80, F300 Highly selective scattered radiation grid to reduce radiation scatter. Focused to 300 cm.
1	Wall holder for grid Holder for storage of exchangeable grids or cassette trays. Can be mounted to the wall.
1	Aim FAST Aim FAST automated ceiling-mounted X-ray tube support. Aim FAST is Ysio's unique positioning system, with free, simultaneous movement of up to 6 axes. It provides fast and certain movement to the acquisition position.
1	Tabletop recognition Tabletop recognition takes the position of the tabletop into account for collision monitoring. This prevents the system from travelling at a slower speed during follow-up movement if the tube is near the table. Note: Standard for Aim FAST option
1	Manual Control Bucky Wall Unit Wired remote control for system functions.
1	Manual Control Ysio Table Wired remote control for system functions.
1	Wireless Remote Control Ysio Max Wireless remote control with the SmartMove button for system positioning.
1	Advanced security package Software extension for workplaces adding advanced security features. It includes advanced user management (active directory integration, Individual password management, user authorization), audit trail management (detailed tracking of user and system actions, centralized automated logging) and DICOM encryption.

PRELIMINARY PROPOSAL

Detailed Technical Specifications

Description

Ysio Max is a universal digital workplace with various flat detectors (MAX wi-D, MAX static) for image acquisition.

The Ysio Max digital workplace is especially suited for a high patient throughput. As a universal workplace, the system is primarily used in X-ray departments of hospitals, in radiological and partly radiological offices with high patient throughput and standardized acquisition techniques.

Basic system components:

- A ceiling-mounted tube support with X-ray tube and a motorized collimator
- An imaging and control station with software for workflow handling, image acquisition, postprocessing and archiving as well as DICOM system interfaces
- CD/DVD drive for digital image storage on CD-R/DVD for offline data exchange in DICOM format
- One compact cabinet for generator and system power supply

Ceiling mounted tube support with X-ray tube assembly and motorized collimator.

- All projection-relevant tube positions can be manually adjusted with handles symmetrically mounted to the tube head
- The ceiling-mounted tube support has 3 axes for longitudinal, transverse, and height adjustment (x, y, and z axes)
- Horizontal travel range in longitudinal direction 346 cm
- Horizontal travel range in transverse direction 220 cm or 355 cm (depending on room planning). Vertical lift 180 cm. In combination with a bucky wall stand the tube support offers tracking in height direction with up to 0.3 m/s
- The tube head can be manually adjusted in 2 additional axes (α - and β -axis) for oblique exposures of recumbent patients, horizontal, oblique, or lateral exposures on the portable detector, or freely positioned bedside exposures
- Rotation around the vertical axis of the ceiling-mounted tube support from +154° to -182°. Detents every 90°
- Rotation of $\pm 140^\circ$ around the horizontal axis of the tube head. Detents at 0° and $\pm 90^\circ$. Maximum speed 40°/s

X-ray tube OPTITOP 150/40/80 HC-100:

- Single-track, dual-focus rotating anode tube with compound anode (rhenium-tungsten, molybdenum, graphite)
- High heat storage capacity and high thermal load capacity for small focal spots. Integrated overpressure safety device in the tube protective housing.
- 150 kV nominal voltage acc. to IEC 60613.
- Nominal radiographic anode input power acc. to IEC 60613 (focal spot nominal values acc. to IEC 60336): 47 kW: small focus 0.6 / 85 kW: large focus 1.0
- Anode speed ≥ 9000 rpm
- Anode angle 12°
- Heat storage capacity of the anode 580 kJ (820 kWh) acc. to IEC 60613.
- Total filtration (IEC 60601-1-3) ≥ 2.5 mm Al equiv.

Collimator:

- With full-field light localizer with very efficient 4 W high power LED technology; high energy efficiency enabling low-noise design without external cooling system, lifetime approx. 100.000 h

PRELIMINARY PROPOSAL

Description

- Laser line light localizer for precise alignment to the X-ray centerbeam even in challenging positioning situations.
- Rectangular collimation, manual and motorized, can be preset via organ programs.
- Via a memory button the collimation of the acquisition format set last can be retrieved.
- Collimator can be rotated by $\pm 45^\circ$ around the center beam axis, e.g., to minimize the collimation field for objects which are not aligned to the longitudinal or transverse axis of the tube.
- A tape measure is integrated to check the focus-to-object distance.
- For the dose saving through the reduction of low energy (soft) radiation copper filters (0.1 mm Cu; 0.2 mm Cu and 0.3 mm Cu) are inserted into the primary beam projection, depending on the organ program selected. They can also be selected manually.
- Inherent filtration of 1mm Al at 70 kV

A dose area product (DAP) measuring chamber can be integrated as an option into the collimator.

X-ray generator

- Microprocessor controlled 100 kHz high frequency generator with 65 kW nominal power (IEC 60601-2-7)
- Highly accurate radiographic parameters, precise reproducibility and fast regulation of high voltage and tube current
- 40 kV to 150 kV tube voltage range
- 1 mA to 1000 mA
- 0,5 mAs to 800 mAs
- Min exposure time: 1ms
- Supports 1- , 2- and 3 point autoexposure techniques
- Supports falling load operation for minimum exposure time
- Optional line matching transformer for 3-Ph-440 V / 480 V
- Drives 3-phase high speed tube stators

Controls and displays

- The control elements on the tube head and the collimator are ergonomically arranged for single-handed operation.
- MAXtouch is a multifunctional control display on the tube head with color touchscreen for setting all key exposure parameters conveniently in the examination room. The display follows the tube orientation.

The following data is displayed:

- Patient name and identifier
- The examination order
- The collimation size of the acquisition field (in cm x cm).
- The set source-image distance (SID).
- The selected copper filters.
- Rotation from the 0-position.
- Tube assembly and detector centering.
- Operating states such as "ACSS/Manual", "Ready", "Selected", etc.
- Current detector angle (MaxAlign function) - estimate of the tube unit angle no longer necessary, provides patient protection by reducing repeat exposures. Available with MAX wi-D and MAX mini.

The following operations are possible on MAXtouch

- Selection of the workplace: Bucky wall stand, table or free exposure with MAX wi-D with corresponding changes in the organ program parameters
- Modification of the sequence of registered organ programs

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- Modification of kV, mAs and ms
- Film density correction and focal spot selection
- Modification of the detector sensitivity/dose
- Selection of IONTOMAT chambers for automatic exposure control
- SID (source-image distance) measurement with automatic calculation of image magnification factor

WiFi system components for operating the MAX wi-D und MAX mini wireless detectors

Imaging system (syngo FLC)

- The entire control and communication of the radiography system including digital image processing takes place from a central operating site - the imaging system. The imaging system is specially designed for diagnostic radiology and delivers excellent image quality with a fast and seamless workflow

It includes:

- A high-end PC imaging system, based on Windows 7 with syngo user interface.
Storage of original data 14 bit.
Storage of image data 12 bit.
Storage capacity approx. 10,000 images.
- Keyboard and mouse.
- One 19" (diagonal measurement) color flat-screen display as the control or diagnostic display.
- Dual stage handswitch for exposure release.

Functions of the imaging system

Patient and study administration:

- Retrieval of patient list and examination data from the hospital/radiology information system (HIS/RIS)
- Manual (emergency) patient registration
- Patient, study, and image data management
- Configuration functions
- Password input for controlled access

Acquisition and postprocessing:

- Organ program selection and configuration
- Selection of generator and AEC parameters
- Parameterization of image preprocessing: Enhancement, harmonization, edge enhancement, and look-up tables (LUT)
- Display of current exposure between 1.5 and 3.5 seconds (preview); complete image in 3.5 to max. 6 seconds depending on detector type
- Marking, annotation, image comments, R/L markers
- Quantification with angle/distance measurement
- DiamondView Plus is a specially multispatial filtering procedure that optimizes the image display specifically for different organ regions allowing precise detail visualization even with large differences in absorption, such as in bone and soft tissue

Image processing functions:

- Fit to window view of full image
- Image rotation
- Image mirroring horizontal / vertical
- Image zoom
- Panning
- Windowing

PRELIMINARY PROPOSAL

Description

- Black/white image inversion
- Filters for edge enhancement and noise reduction

Image documentation and archiving:

- Image transfer to the network
- Automatic, user-configurable data distribution (DICOM Send, see also DICOM system interfaces).
- Automatic filming with virtual film sheet (DICOM Print, see also DICOM system interfaces).
- Image data export (12 bit) to CD/DVD or export and import to USB device in DICOM or TIFF format. USB hard disk available as optional accessory

Workflow

- Routine workflows are extensively automated.
- Prior to exposure the patient data is transferred via the patient management system (HIS/RIS: optional) or entered via the control console. The exposure parameters are preselected through the organ programs.
- The patient as well as the acquisition system is positioned and exposure is released. If the Aim or AimFAST option is selected the acquisition system position is also part of the organ program.
- Within a few seconds the image data is read out by the detector. The image is displayed at the control display for orientation and made available in DICOM format at the imaging system.
- Apply postprocessing steps if necessary
- Archive or print out image (paper printing to a Level 2 PostScript printer, Up to 3 network nodes at the same time and one laser camera configurable)
- Clinical Assurance Program (CAP): Provides statistics of rejected images.
- Exposure index (EXI) monitoring: Provides minimum and maximum EXI value for export
- Password protection: Access to system protected by password

Option:

- Security Package: SW option with enhanced security features such as User Management and audit trail function (if offered, see text of the corresponding components).

DICOM system interfaces

- DICOM Send: Sending of images into the DICOM network.
The DICOM Send function enables fully automatic transfer of generated image data to a DICOM archive or a DICOM workstation. The user can perform his examinations without interruption while the system fully automatically transfers the images to the archive. This image data transfer takes place entirely in the background and thus does not affect exposures performed at the same time.
- DICOM Storage Commitment (StC): Feedback from the image archive.
- The DICOM StC function provides automatic notification on whether the generated image data were successfully transferred. This way the user can be sure that the exposures stored locally in the imaging system can be deleted.
- DICOM Print: Printing of images by means of a virtual filmsheet on a DICOM laser camera.
Selecting "Auto-Print" automatically forwards the images stored on the virtual filmsheet to the laser camera. This optimizes the workflow, eliminating the need for user interaction. In addition, a specific layout can be configured for the virtual filmsheet, which the user can display and edit on the monitor at any time. This means that the layout can be optimized on the monitor prior to printing. This saves time and money.

Options:

- DICOM Modality Worklist/MPPS (if offered, see tender further down).
- DICOM Query/Retrieve (if offered, see tender further down).

Note concerning DICOM interface(s)

- For diagnostic purposes only hardcopy cameras/laser printer expressly approved for this system may be used.

PRELIMINARY PROPOSAL

Description

- The description in the "DICOM Conformance Statement" downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s).
- Functionalities across system borders with/between partner systems require explicit validation, since the interpretation of the interface by the partner/target system is not part of the product's responsibility.
- Any changes that may be required to the interface are not part of this quotation. This also applies, for example, in those rare cases when available configuration capabilities are insufficient. With regard to expenses for interface configurations that might be required, the agreements on maintenance/service of the product apply.

syngo Remote Assist

- syngo Remote Assist is a standalone service option.
- With syngo Remote Assist, Siemens uses a secure broadband VPN connection (VPN = virtual private network) to establish a connection to your Siemens imaging console in order to offer you direct, real-time support and training. This seamless and simultaneous virtual interaction will contribute to improvements in image quality and optimization of system use.

Smart Remote Service

- Prepared for optional Smart Remote Service SRS (during warranty period, subsequently with service contract)
- Hardware and software remote diagnosis.
- System remote configuration, e.g. adding of a DICOM node.
- Early warning system to secure system operation.
- Functions according to the selected maintenance package.

Detector Bucky

The detector Bucky with single-handed operation includes an IONTOMAT three-field chamber for automatic exposure control (incl. three-field templates) and a device for symmetric positioning of the flat detector.

- Front plate - detector distance ≤ 45 mm
- Radiation absorption of the front plate ≤ 0.5 mm Al
- A stationary, exchangeable transparent grid for scattered radiation reduction; 13/92. Optionally for SID 115 cm and/or 180 cm, or universal grid with a field from 115 to 180 cm (see tender further down)

Integrated MAX static 43 x 43 flat detector

Integrated, fixed flat detector for digital image acquisition, CsI-scintillator, amorphous silicon (a-Si).

- Detector acquisition matrix: 2869 x 2874
- Pixel size: 148 μ m
- Acquisition depth (gray scales): 16 bit
- Acquisition formats: up to 42.5 cm x 42.5 cm

Accessories

Scope of delivery:

- Lateral patient handles for optimum patient positioning, e.g. during PA thorax exposures
- Patient overhead handle, swiveling around the horizontal axis, for optimal patient positioning for lateral acquisitions

Height-adjustable patient positioning table with floating tabletop and detector Bucky for a wireless MAX wi-D detector.

Ysio Max Patient Table:

- Free access to the table and patient from all sides
- Patient tabletop 80 cm x 240 cm
- Longitudinal and transverse movement: ± 48 cm and ± 14 cm (± 0.4 cm)

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- (maximum longitudinal coverage without patient repositioning: 190 cm)
- Tabletop height adjustment range of 44 cm: from 51.5 to 95.5 cm (± 0.5 cm)
- Radiation absorption ≤ 0.65 mm Al
- Tabletop - detector distance ≤ 52 mm for the smallest possible magnification
- Max. patient weight 300 kg
- Longitudinal movement of detector tray (from edge to edge) ≥ 100 cm

Detector tray with highly selective transparent grid to reduce scattered radiation: Pb 13/92 (grid ratio 13:1, 92 lines/cm). Grid focusing for SID 115 cm.

- For pediatric acquisitions, the grid can be removed from the beam projection.
 - Automatic tracking for longitudinal movement and rotation of the X-ray tube: The detector follows the X-ray tube movement or rotation; centering is maintained
- Button on the detector tray to center the X-ray tube on the detector.*

* Full function only available in combination with the Aim / Aim FAST option

Accessories

Included in the scope of supply:

- Lateral patient handles: Simplify patient positioning and give the patient holding on to the handles a feeling of security.

Adapter for positioning film/screen cassettes and/or image plate systems in conjunction with a flat detector tray.

Technical details:

- Cesium iodide (CsI) scintillator with Amorphous silicon (a-Si) material
- Detector acquisition matrix approx. (Global system): 2350 x 2866 /
(China system only): 2356 x 2872
- Pixel size: 148 μ m
- Acquisition depth (gray scales): 16 bits
- Acquisition formats up to: (Global system) 34.8 cm x 42.4 cm (13.7" x 16.7") /
(China system only): 34.9 cm x 42.5 cm (13.7" x 16.7")
- Thickness: 19 mm
- Detector weight: 3.3 kg (with battery)
- Max. load 150 kg (patient lying down) and 100 kg (patient standing).
- MAX wi-D - 1 battery
- Data transfer via WLAN

Operation time:

- At least 950 images
- Min. 5.5 hours under normal load
- Min. 6 hours in standby mode

Technical details:

- Grid ratio 5:1, 85 lines/cm
- Grid focusing for source-image-distance (SID) of 115 cm (45")
- Dimensions (W x H x D): 472.1 mm x 410.1 mm x 28.4 mm (18.58" x 16.14" x 1.1")
- Weight: 1.1 kg (2.4 lbs)

PRELIMINARY PROPOSAL

Description

Space for 3 batteries, with LED indicator for charge status. The charger connects to a wall socket using a power cord.

This item includes the following components:

- 1x battery charger
- 1x power supply
- 1x battery

Technical details:

- Grid ratio 13:1, 92 lines/cm
- Grid focusing for source-image distance (SID) of 180 cm (71")

Technical details:

- Grid ratio 13:1, 92 lines/cm
- Grid focusing for source-image-distance (SID) of 115 cm (45")

Performance data:

- 80 kW at 100 kV according to IEC 60601
max. 1000 mA

Height adjustment, release, and locking of the floating tabletop is done through a foot kick switch. The foot kick rails are located in the foot area both at the front and the rear of the patient positioning table and can be programmed individually at the time of installation. This prevents accidental operation by patients or accompanying persons.

SW license for Ortho function

For systems with bucky wall stand:

Ability to acquire up to 4 images of the legs or spine in sequence on the Bucky wall stand using a MAX wi-D, MAX static detector

Only for Ysio:

Ability to acquire up to 3 images at the patient table.

Only for Multitom Rax:

Ability to acquire up to 4 images of the legs or spine with RAX detector (patient in standing position or lying on the table)

Spine Composing

Spine Composing takes individually acquired digital radiographic images of the spine and composes them into an overall image.

The main functions are:

- automatic composing of digital radiographs into an overall image
- standard image post-processing functions are available

Ortho-Leg Composing

Ortho-Leg Composing takes individually acquired digital radiographic images of the legs and composes them into an overall image.

The main functions are:

- automatic composing of digital radiographs into an overall image
- standard image post-processing functions are available

PRELIMINARY PROPOSAL

Description

The monitor has very high contrast, even with very bright ambient light. The gamma curve has been adapted precisely according to CIE/DICOM recommendations, and is therefore particularly suited to gray scale display.

Technical specifications:

- Screen size 19" (48 cm)
- Resolution: 1280 x 1024 pixels
- Maximum brightness (typical): 280 cd/m²
- Flicker-free and distortion-free image display
- Anti-glare screen

The controlled backlighting offers stable lighting for the entire service life of the product.

DICOM MWL (Modality Worklist):

Import of patient/examination data from an external RIS/HIS patient management system.

DICOM MPPS (Modality Performed Procedure Step):

Sending of dose data, patient data, and examination data to an external RIS/HIS patient management system.

Note concerning DICOM interface(s)

The description in the "DICOM Conformance Statement" downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s).

Functionalities across system borders with/between partner systems require explicit validation, since the interpretation of the interface by the partner/target system is not part of the product's responsibility.

A modification of the interface that might be required is not included in the offer; e.g. for the rare case, that available configurations are not sufficient.

With regard to expenses for interface configurations that might be required, the agreements on maintenance/service of the product apply.

The IPv4 communication of the imaging system is converted to IPv6.
GRE and LISP are the supported transmission methods.

The CAREMAX plus dose-area product meter (DAP meter) is connected to the collimator via the CAREMAX adapter cable. The dose-area product (DAP) is displayed on the TUI of the system operating console and is recorded in the examination report.

Technical specifications:

- Grid ratio 15:1, 80 lines/cm.
- Lead / glass fiber technology by Siemens
- Grid focusing for SID 300 cm.

Holder with two slots of different widths.

Weight: 5.0 kg (11 lbs)

Technical specifications:

- Maximum speed of 0.6 m/s
- Storage of up to 1000 user-defined system positions using the organ programs.
- Service configurable objects in the room that can be detoured around during positioning.
- Power ceiling stand movement in X, Y and Z axes.
- Automatic tube centering function on the detector tray in the table and Bucky wall stand.

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Description

- Cable routing to the stand in energy chains, for free access to the patient.

Provides:

- On/off tube tracking
- On/off light localizer
- Tube parking
- Tube centering
- Autopositioning of tube

Full function only available in combination with the Aim/ Aim FAST option

Note: Standard for Aim FAST / Option for Aim

Provides:

- Autopositioning
- Raise/lower table
- Release longitudinal/transverse travel of tabletop
- Tube parking

Full function only available in combination with the Aim/ Aim FAST option

Note: Standard for Aim FAST / Option for Aim

Intuitive wireless remote control with the SmartMove button for system positioning. Functionalities for the wireless remote control are intuitive and safe to operate:

- Dead-man switch for activation by human touch only
- Light indicator if dead-man switch is active
- Light indicator for active connection to system
- Light indicator for battery status
- Paging device to call remote control
- Tube movement in X, Y and Z axes
- SID tracking
- Table tracking
- Table movement up and down
- Bucky wall stand movement up and down
- Collimation
- Pre-programmed park position
- SmartMove button to move to organ program position