

Aramid tabletop

- foam core from 25 mm hard foam, upper layer 1.7 mm scratch resistant Aramid, bottom layer 0.8 mm plastic material with high durability
- filtration value (typical): 0,7 mm (at 100 kV, 2,7 mm AL HVL)
- size 200 cm x 69 cm (78.7 inch x 27.2 inch)
- maximum load 275 kg (606 lbs.)
- longitudinal movement +/- 83 cm (32.7 inch), constant speed of 6 cm/s (2.4 inch/s)
- lateral movement -10 / + 9 cm, (-3.9 inch / + 3.5 inch), constant speed of 4.2 cm/s (1.7 inch/s)
- flat section rails for accessories

carrier for spot film device with patented spider servo for effortless and sensitive movements:

- longitudinal direction, servo assisted: 75 cm (29.5 inch)
- lateral direction 22 cm (8.7 inch), manual movement
- compression 30,5 cm (12 inch), spider-assisted (EasyTouch)
- parking 52 cm (20,5 inch), manual

Spot film device digital

Eleva Control Console (see below)

- carrier for different image intensifier 23, 31, 38 cm (9,12 or 15 inch)
- motorized oscillating and moveable carbon fibre covered grid 60 lines/cm (152.4 lines/inch), ratio 10:1, focus 80 cm 31.5 inch) without tube lift or 90 cm (35.4 inch) with tube lift
- AMPLIMAT chamber with automatic selection of measuring fields
- compression cone with motorized movement from and into parking position
- automatic collimation in X- and Y-direction, secondary shutters close to image intensifier entrance
- removable lead rubber radiation protection

X-ray shielding for under table tube operation resulting in optimal protection of the operator during routine operation

Eleva concept and Eleva User Interfaces

The Eleva concept increases productivity by adapting the system to the way you work: The system is customizable and performs to the users specification from pre-exam to archive to support varying workflow patterns (from high throughput exams to time consuming procedures) and increase overall efficiency.

The Eleva concept features:

customizable system pre-sets like SpectraBeam RF filter selection (option) and pre-defined print formats

bi-directional RIS coupling (option) automatically activating the appropriate Eleva system pre-sets to increase exam efficiency even more

revolutionary User Interface Concept, including several modules:

- Eleva Stand Control at the spot film device (examination room)
- Table Side Operation control
- Eleva Footswitch (examination room)

Eleva Examination Control

The Eleva Examination Control (incl. keyboard and mouse) integrates all functions for patient administration, selection of acquisition and fluoroscopy parameters as well as all controls for operating the different subsystems in one desk. It provides convenient, logical and ergonomic arrangement of controls and displays.

It supports the philosophy that only those controls and related displays are active that are required for a certain type of examination.

Eleva Handswitch

Ergonomically designed handswitch for exposure control from the control room.

Eleva Stand Control at the spot film device

To operate the system at table side (nearby operation).

All stand movements, operation of main imaging functions, fluoroflavour selection, image intensifier field size selection, collimator control, etc. can be selected without leaving the patient.

Eleva Control Console with:

- table movement controls (tilting, lateral & longitudinal tabletop moves)
- collimator control
- EasySelect display and control for Eleva settings
- SmartWindow display provides information on the system status
- single/serial exposure technique selection
- controls for 4 image intensifier formats
- frame speed selection
- more operational functions needed for examinations

EasyGrip:

The ergonomic handle for ambidextrous one-hand operation on the system. All system controls are available at the table for full attention to the patient. The dynamic fluorograb button is integrated within reach for instantaneous grabbing of fluoroscopic images and complete runs.

EasySelect:

Eleva programming parameters, dose levels and pulse rates can be selected via 10 softkeys for easy adjustment of examination parameters partly even under fluoroscopy

SmartWindow:

Display of guidance for all operational functions of the EasyDiagnost Eleva. A clear, situation dependent online information for error free handling is provided to the user.

Table Side Operation (available only with 2nd tube option, CS 3):

Located close to the footend of the table the TSO gives the user a convenient possibility to move the tabletop with the patient in the right position for e.g. phlebography studies. Longitudinal, lateral and tilting movements can be controlled.

In case of tomography (option) a test run can be executed from here without leaving the patient.

Eleva Footswitch:

For exposure and fluoroscopy control in the examination room.

Accessories

The following accessories are standard:

- detachable footrest with easy-to-clean surface
- pair of ergonomic handgrips

A wide range of accessories are available as option to support the systems' multifunctional capabilities.

Remote access

Access to the system's service software procedures from a remote location via network or modem connection. Remote access to a system can shorten the time needed e.g. changing system settings or problem diagnosis.

It contains:

- License for use of the Remote Access service software

Extended Digital Imaging

The Extended Digital Imaging System for the Eleva family offers high performance digital image acquisition for fluoroscopic applications. All image-processing parameters are pre-programmed instantly, so that EasyDiagnost Eleva is ready to acquire and display high quality digital images immediately. Due to the outstanding image quality, the user can prepare his diagnosis and report directly from the monitor, during or immediately after the examination.

Images can be acquired in 1K or 0,5K matrix sizes, with a maximum speed of 8 images/s or even 30 frames/s for 512 x 512 images (requires option High Speed Acquisition).

Live fluoroscopy images can be captured as single images or as complete runs. Any run of images can be displayed in a loop with adjustable speed and direction.

In addition it offers automatic on-line digital image processing and reviewing with the integrated ViewForum software.

Extended Digital Imaging offers printing facilities by preset layout, a number of preset layouts for specific examinations are available. The printing functionality can be extended with tailor-made printing protocols according to personal settings with the optional Print Protocol. Printing can be done by the touch of a button utilizing print protocols, which have been pre-programmed for the examination, making the workflow even more efficient.

Extended Digital Imaging is, in combination with the Subtracted Acquisition and Vascular Post processing option able to support vascular procedures.

Main features of Extended Digital Imaging:

- Acquisition
 - 12 bit deep digital image acquisition
 - Single and multiple shot exposures
 - Acquisition speed up to a maximum of 8 images/sec.
 - Acquisition matrix 1K or 0,5K
 - Acquisition memory of 1024 MB
 - FluoroGrab: grabbing of single fluoroscopic images
 - Dynamic FluoroGrab: grabbing of runs of fluoroscopic images
 - AutoStore of images into the ViewForum database on the hard disk
- Viewing
 - Easy navigation through examinations, runs and images
 - Viewing memory of 1 GB
 - On-line (re-)viewing of high quality images
 - Automatic, adaptive image processing
 - Automatic electronic shutters
 - Last Image Hold
 - Run Cycle: display of images in a loop with adjustable speed and direction
 - Flexible image overview
 - Excellent image quality by using optimized harmonization algorithms
 - Direct Mouse Manipulation (DMM)
 - User log-on
 - Default display protocols
 - Flexible screen layouts
 - Contrast, brightness, edge enhancement and grayscale inversion
 - Measurements (for length measurements in mm manual pixel size calibration is necessary)
 - Multiple free text annotation with adjustable font size
 - Copy annotation strings within a run
 - Up to 16 bit deep image processing
 - Automatic and manual asymmetric rectangular and circular electronic shutters
 - Rotate, flip
 - Zoom, zoom to shutter, pan

- Magnification
- Printing
 - One-touch printing according to personal settings or preset layouts
 - Manual printing with free style layout
 - True size and scaled printing
 - Multi tasking: background printing
 - Paper printing
 - DICOM print
- Storage
 - Local storage on hard disk (minimum 72 GB)
 - AutoStore (to the hard disk) in the background
 - Archiving to e.g. PACS in the background with optional DICOM Export
 - Support of CD/DVD recording (CD/DVD-Storage SW license optional)
 - Movie export to *.avi
- CR/F prepared (patient merge function)
 - To create a fully digital RF suite by seamless integration of CR and RF studies in the same patient folder on ViewForum
 - Simplifies workflow by providing just one single case to PACS

Comprising:

- Cabinet
- Acquisition memory of 1024 MB
- Alpha numeric keyboard
- Quick Review Module
- ViewForum keyboard with mouse for image processing
- Infrared viewpad for reviewing and postprocessing
- 72 GB hard disk
- 1 GB viewing memory
- CD/DVD writer/reader (note: CD/DVD Storage software license is optional)
- Floppy drive (3.5")

mShield

Philips mShield is part of an overall strategy to safeguard the data integrity of medical information systems. It protects Philips fluoroscopy modalities from potential malicious software attacks within the hospital network. It decouples the modality from the network and creates a secure environment. By restricting traffic to only authorized devices, mShield acts to prevent malicious activity directed from the modality to unrelated devices on your hospital network.

Network communication can be restricted to DICOM communication and remote service only.

Thereby channels, which hackers need for attacks or viruses need to spread become unavailable.

The total system uptime can be increased. The cycle time of required security upgrades (patches) can be elongated and synchronized with regularly maintenance activities. No valuable treatment time is lost through system downtime or staff dealing with network problems. Once installed it requires almost no maintenance or update.

Philips mShield's design is based on the latest recommendations of International industry standard bodies, such as NEMA, COCIR and JIRA, which recommend firewalls as an "effective and flexible tool" to safeguard the data integrity of medical information systems.

The mShield hardware is designed to fit into a professional medical environment with dedicated robustness against high temperature or high-voltage hazards.

It is located between the modality and the department network.

mShield comprises:

- mShield hardware
- Software license and documentation on CD
- Dedicated modality rule types

Compatible with:

- EasyDiagnost Eleva Rel. 3.1 and higher
- EasyDiagnost Eleva DRF Rel. 3.1 and higher

UPS

Uninterruptable Power Supply

The UPS feeds in case of a power breakdown the EasyDiagnost core components (System Controller, Remote Input/Output, Automatic Image Processing, ViewForum, Ethernet Switch, Firewall) to store images and/or complete the last task.

- Bridging time: 60 minutes
- Max. charging time: 6h

Clinical Education Program for R/F Systems

RF OnSite Education: Clinical Education Specialist will provide one twenty-eight (28) hour week of RF OnSite Education for up to four (4) students, selected by customer, including technologist from night/weekend shifts if necessary. CEU credits may be available if the participant meets the guidelines provided by Philips. Depending on your system configuration, the first four (4) hours onsite may be spent configuring new equipment for specific clinical needs, as well as reviewing important safety features and quality procedures. Please read guidelines for more information. Note: Site must be patient-ready. Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation.

Special Note: Training on DVD recorders (if purchased) will be conducted by the manufacturer of the DVD recording system and not Philips Clinical Education.

Recommendations: In order to enhance customer satisfaction with image quality over the first year, we highly recommend that part 989801292145, XR Add OnSite Clin Educ 16h is purchased. This training will assist the customer in maximizing the unique image quality pre-sets to suit their

The motorized tilting option for VS vertical stand brings workflow enhancements on the system by enabling the upright Bucky unit to be automatically placed in different positions.

Main benefits at a glance:

Extends the possible application range to extremities, skeletal examinations, and even under-table examinations using a trolley.

Reduces technologist physical involvement by providing motorized tilting movements.

Tilting by just pressing a move-to-position button or by pressing and holding a dedicated movement button (e.g. vertical movement of the Bucky unit).

Motorized height adjustment from 30 to 180 cm (11.8" to 5' 11") with two different speeds, plus manual operation for precise positioning.

Convenient user interfaces on both left and right sides of the Bucky unit, for quick and easy adjustment of movements, including motorized tilting.

Specifications:

- Tilt from -20° to +90° horizontal position, via 0° vertical position
- Vertical movement range: 30 to 180 cm (11.8" to 5' 11"), measured at center of Bucky unit

Comprising:

- Tilting mechanism between vertical stand column and Bucky unit
- Electronic controlled motor drive
- Set of cables
- Software license

5 ** Spacer for BuckyDiagnost 1
Vertical Stand

Distance piece between column and Bucky tilting unit; helpful for exposures in seated position.

6 ** Ceiling suspension including 1
tube SRO 33100

Ceiling suspension for over-table radiographic work with ergonomic handle, control buttons, and release brake, as well as convenient color-coding of movements.

Wide 16.5 cm (6.5") LCD display on tube head for clear status information.

Integrated centering laser in the tube head for easy positioning.

- Four-part aluminium telescopic column with spring counter balanced holder for X-ray tube assembly, adaptable to individual room heights
- Ceiling height at source-image distance 110 cm (44"): 2.65 m to 3.20 m (8' 8.3" to 10' 5.9")
- Minimum ceiling source distance: 87.1 cm (34.3")
- Possible room height adjustment: 37.5 cm (14.8")
- Lowest tube position: 30 cm (11.8") measured from center of beam to the floor
- Length of rails: base rails 4.3 m (14' 1.3"), optional rails extension 2.7 m (8' 10.3")
- Longitudinal travel: 3.44 m (11' 3.4"), 6.14 m (20' 1.7") with rails extension option
- Transverse travel: 1.50 m (4' 11") with short transverse rails, 3.22 m (10' 6.7") with long transverse rails
- Vertical travel: 1.65 m (5' 5.2")
- Rotation of focal spot around vertical axis of column: 360° (±180°), with rotation stop +180°/-165° and lock position every 45°
- Angulations of focal spot around horizontal axis: ±125°, lock positions 0° and ±90°

Control handle

- Centering device in longitudinal and transversal directions
- Brake/locking controls and central three-axis brake-release at lowest position of handle
- Wide 16.5cm (6.5") LCD information display and control buttons

Automatic Collimator

- Motorized automatic collimation, manual overrule possible, with light field indicator
- Angle of aperture and rotation: 2 x 15°, ±45°, depending on the collimator (see type number plate)
- Timer switch: up to 30 s
- Inherent filter value: <0.3 mm at 100 kV, depending on the collimator
- Added filters: 2 mm Al or 1 mm Al + 0.1 mm Cu or 1 mm Al + 0.2 mm Cu
- Source-image distance measurement tape

Equipment for cassette size sensing (automatic collimation) and automatic beam limitation for radiographic exposures on EasyDiagnost Eleva's second plane for improved workflow. Sensing functionality detects the size of the inserted cassette or Portable detector and adjusts the shutters to the correct field size.

Comprising:

Sensing functionality in the automatic collimator

X-ray tube SRO 33100:

High quality SRO 33 100 Super ROTALIX tube for the EasyDiagnost Eleva system.

Specification:

- Tube voltage 40 - 150 kV
- Nominal focal spot values 0.6 / 1.2 (IEC 336/93)
- Anode diameter 90 mm
- Anode target angle: 13 degrees
- Anode heat storage capacity 300 kHU (220 kJ)
- Maximum continuous heat dissipation 250 W (with cooling)
- Maximum heat content of assembly 1700 kHU (1260 kJ)
- ROT 360 air-cooled ROTALIX housing with thermal safety switch.

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15" I.I./TV-CCD

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15-Inch (38 cm) Image Intensifier

Image Intensifier / Television subsystem: X-ray imaging subsystem for fluoroscopy and Digital Imaging for EasyDiagnost Eleva

Image Intensifier

- 15-inch (38 cm) multi-mode image intensifier
- Possible field sizes: 15 12.2 9.8 and 6.7" (38 31 25 and 17 cm)

- Titanium input screen for high spatial resolution high DQE and low dose.
- Fibre optic output screen for high light-transfer efficiency and high contrast.

CCD

- Camera
- TV chain with 1024 x 1024 matrix CCD camera
- Horizontal and vertical scan reversal
- Average automatic dose rate control (ADC)
- Automatic gain control (AGC)
- Variable measuring fields

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90 DEGREES TRENDLENBURG

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90 Degrees Trendelenburg

90/90 tilting of the entire tabletop of the EasyDiagnost Eleva. This setting enables the user to move the patient from an upright position to an 85° head-down position (trendelenburg) for a flexible use of the EasyDiagnost Eleva depending on the room layout. Various applications such as stomach colon or myelography etc. can be performed either in "right" or "left" use of the system.

A variable speed allows a smooth and careful start; acceleration to 6° moves the table quickly in the required position. Standardly the system slows down and stops at 0° for the user's convenience. A "no-stop" button next to the tilting handle avoids a stop in 0° position if an uninterrupted movement is required.

Specifications:

- Positive tilting angle: 90°
- Negative tilting angle: 85° (Trendelenburg position)
- Tilting speed: Variable from 0-6°
- Tilting movement controls at Spot film device as well as on the tableside operation console (TSO) in case the over-table tube (option) is available.

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80 kW Generator with IQX

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The 80 kW power pack is a microprocessor-controlled X-ray generator with sophisticated high-frequency inverter technology.

The generator is designed for a wide range of fluoroscopy and radiography applications. The unique dose-management system supports features like Grid Controlled Fluoroscopy, Pulsed Fluoroscopy and IQX. The generator is engineered for long-term reliability and a minimum single-space requirement.

Specification:

- Automatic and manual exposure techniques and automatic kV reduction (bolus chase)
- The generator supports the IQX function which regulates exposure settings during the exposure pulse (in-pulse controlled)

- Exposure output power:
 - kV 40 - 150 kV (Second beam table and wall Bucky)
40 - 125 kV (II TV exposures)
 - mA 1 - 1100 mA
 - ms 1 ms - 4 s with AEC (Automatic Exposure Control)
1 ms - 16 s without AEC
- Manual:
 - Two factor technique (kV - mAs)
 - Three factor technique (kV - mA - s)
- Automatic:
 - One factor falling load (kV)
 - Two factor constant load (kV/mA)

Automatic kV reduction (bolus chase)
Support of IQX Intelligent exposure

- Fluoroscopy techniques:
For enhanced image quality and dose management the generator supports continuous fluoroscopy, Grid Controlled Fluoroscopy (option) and Pulsed Fluoroscopy (option) techniques
- Fluoroscopy output power:
 - kV 40 - 110 kV
 - mA 0.2 - 6 mA
- Access times:
 - from fluoroscopy standby to fluoroscopy mode: < 0.3 s
 - from fluoroscopy to radiography mode: 0.4 - 0.8 s (dep. on tube)
 - from radiography to fluoroscopy mode: 0.4 s
- Up to two double-focus tubes can be operated by a dual-speed rotor control Philips compatible tubes : RO, SRO, SRM
- Area Dose Calculation and display (option) and fluoroscopy entrance dose rate limitation
- Automatic mains adaptation

IQX provides excellent, reliable and consistent image quality for digital exposures, both in static and dynamic studies. IQX controls and adapts the exposure parameters within the X-ray pulse. The automatic and fast regulation of kV during each exposure leads to crisp image quality for all types of studies, for all patients.

IQX features:

- Short exposure times eliminates motion blur.
Exposure times are kept within an application-dependent customizable time range. This ensures that every single image is correctly exposed and free from motion blur, even with rapidly changing density.
- Automatic kV-optimization.
IQX automatically adjusts the settings, relative to the standard kV-value recommended for a particular organ type. Thus the settings are optimized for the actual object density.

- Adaptive measuring fields maintain a constantly high image quality even when the field of interest is limited by shutters moving in

It contains:

- Grid controlled fluoroscopy (GCF):
 - Pulse time: 5 ms - 20 ms (typical)
 - Pulse frequency: 0.5 - 30 f/s

High-quality SRM 22 50 Super ROTALIX Metal Tube with electronic grid for EasyDiagnost Eleva and DRF room solutions.

Specification:

- Tube voltage: 40-125 kV
- Nominal focal spot values: 0.5 / 1.0 (IEC 336/93)
- Anode diameter: 100 mm
- Anode target angle: 15 degrees
- Anode heat storage capacity: 380 kHU (280 kJ)
- Maximum continuous heat dissipation: 300 W (with cooling)
- Maximum heat content of assembly: 2040 kHU (1510 kJ)

ROT 504 GS Air-Cooled ROTALIX Housing with Thermal Safety Switch

Automatic X-ray beam collimator with:

- Motor driven rectangular and circular collimation
- Power-up selftest
- Auto calibration at power-up
- Supports a maximum of 4 pre-filters programmable with SpectraBeam RF

SpectraBeam RF

SpectraBeam RF is an automatic X-ray beam spectrum optimization for EasyDiagnost Eleva. Depending on personal preference, regarding dose and image quality, the optimal filter can be pre-programmed in the Eleva settings for automatic selection.

Comprising:

- Automatic, remote-controlled spectral filter disk with 4 filter values
- 2 mm AL
- 1 mm AL + 0.1 mm Cu
- 1 mm AL + 0.2 mm Cu
- None

DICOM Interoperability Package

The Interoperability package provides the EasyDiagnost Eleva with a complete set of DICOM interoperability functions.

Comprising:

- DICOM Q/R & Multimodality View
- DICOM Export / Storage Commit
- DICOM Worklist Management
- MPPS

DICOM Query/Retrieve and Multimodality View

EasyDiagnost with Extended Digital Imaging supports DICOM Import (DICOM Store (SCP)), meaning that a DICOM node can push images into the Extended Digital Imaging database.

The DICOM Q/R Multimodality View package adds the following capabilities:

- DICOM Query and Retrieve (both DICOM Q/R (SCU and SCP)), allowing the Extended Digital Imaging to Query / Retrieve images from another DICOM node and vice versa.
- Import and basic viewing functionality for DICOM images of non X-Ray modalities e.g. MRI, CT, etc.

All DICOM SOP-classes as described in the related DICOM Conformance Statement are supported.

DICOM Export/Storage Commit

The DICOM Export/Storage Commit package provides exporting capabilities for images from the EasyDiagnost with Extended Digital Imaging to other DICOM workspots, workstations and PACS systems.

The DICOM Export packages includes the following capabilities:

- DICOM Export (DICOM Store (SCU)), allowing the export of images in DICOM format
- DICOM Storage Commit (SCU)

All DICOM SOP-classes as described in the DICOM Conformance Statement of Extended Digital Imaging are supported.

DICOM Worklist Management

DICOM Worklist Management provides the connection to a RIS (Radiology Information System) in order to query and receive patient and examination request information (scheduled worklist).

With the DICOM Worklist Management packages EasyDiagnost Eleva with Digital Imaging or Extended Digital Imaging acts like a DICOM WLM (SCU) with these capabilities:

- Query RIS for current scheduled worklist automatically
- Query RIS for current scheduled worklist on demand
- Customize RIS Query

All DICOM SOP-classes as described in the DICOM Conformance Statement of Digital Imaging and Extended Digital Imaging are supported.

MPPS

A DICOM Modality Performed Procedure Step (MPPS) is an information object that describes the activities, conditions and results of an examination (imaging procedure) performed on a

modality. The MPPS package is capable of reporting this information back to the connected RIS (Radiology Information System).

With the DICOM MPPS package the EasyDiagnost Eleva System supports DICOM MPPS as SCU with the following capabilities:

- Report status of the current examination back to RIS
- Provide RIS with examination information

The MPPS DICOM SOP-class as described in the DICOM Conformance Statement of Extended Digital Imaging is supported.

Comprising:

- DICOM Query and Retrieve software and license
- DICOM Multimodality Import and Viewing software and license
- DICOM Export software and license
- DICOM WLM software and license
- DICOM MPPS software and license

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Eleva Examination Control-A

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Eleva Examination Control

The Eleva Examination Control (including keyboard and mouse) is a 19" flat panel color TFT LCD display designed for touch input. It offers sturdy hardware buttons to modify most frequently adjusted exposure parameters.

It integrates all functions for patient administration, selection of acquisition and fluoroscopy parameters as well as all controls for operating the different subsystems in one user interface.

The Eleva Examination Control user interface offers facilities for:
Patient and examination administration

Preparation:

- Manual entry of patient data
- Import of RIS work list (DICOM) (optional)
- Display of user-defined help text for room preparation and procedure

Examination:

- Automatic adaptation of X-ray parameters depending on patient age, size and weight, as retrieved from RIS
- Automatic selection of system settings according to scheduled examination from RIS
- Manual selection of acquisition parameters, like:
 - Auxiliary selection and indication
 - Selection and display of exposure parameters
- Selection of parameters for special examinations like bolus chasing and full spine scan, etc. (optional)
- Selection of predefined acquisition programs
- Selection of different fluoroscopy flavors for pulsed fluoroscopy & Grid Controlled Fluoroscopy (optional)
- Selection of spectral filters for fluoroscopy and exposure (optional)
- Collimation on last image hold

- Spacer strips.
- Fixing parts.
- Brake rails.

Compatible with:

- CS 2 CS 4.
 - Monitor ceiling suspension.
 - Rail extension 9890 010 01622.
 - Rail for cable carrier 9890 010 02422.
-

1 **Tracking for BuckyDiagnost CS** **1**

Tracking is a system option whereas the tube follows the image receptor in the Bucky wall stand in vertical and tilted position. It supports a smooth workflow and enables the user to maximize patient interaction.

Comprising:

- Adjustable SID
- Motorized drive of vertical tube movement
- Electronic motor control board with software
- Height sensor in Bucky wall stand

2 **Dose Reporting in DICOM Structured Report format** **1**

This DICOM service allows exporting patient radiation dose details in the Structured Report DICOM standard format.

Main benefits at a glance

- Standard, modern and comprehensive format for exporting patient radiation exposure information
- Exports dose information on study (accumulated) and exposure levels
- Allows detailed exposure dose monitoring on the PACS or dedicated dose management system

Typically, one dose report is created at the end of each procedure step performed on the system. This dose report collects together all the irradiation events from the procedure step and cumulates all dose values for the procedure step as a whole.

By exporting patient radiation dose in a comprehensive, very detailed and standard format, DICOM Structured Report allows to perform precise dose monitoring and analysis on the PACS or with a dedicated dose management system. This assists institutions to ensure their policies, procedures and protocols are adequate and being followed appropriately in the department. Moreover, it can help determining how changes in techniques and protocols impact radiation dose as well as image quality, to maintain patient doses As Low As Reasonably Achievable (ALARA).

Comprising:

- Software license

Compatible with:

- EasyDiagnost Eleva 5.x and above
-