

XR-HYBRID, VAMC GRAND JUNCTION, CO

PO# 575-B50006

Part No. / Product	Description
Artis zee multi-purpose	<p><b>System Configuration</b></p> <p>Artis zee MP is a multi-functional, digital C-arm X-ray system for fluoroscopy and diagnostic and interventional angiography. The C-arm and patient table are a tiltable and height-adjustable unit. The C-arm can be moved relative to the patient in cranio-caudal and orbital direction. Isocentric object positioning is achieved through independent height adjustment of the tabletop, which can additionally be adjusted in longitudinal and transverse direction. Programmed system positions allow fast examination procedures.</p> <p>This system is equipped with a thin mattress: 4 cm thick special-foam mattress, made of open-pore polyurethane material (including cover).</p> <p>High flexibility and fast positioning:</p> <ul style="list-style-type: none"><li>- Up to 5 programmed work positions and additional 50 user-defined work positions.</li><li>- Overtable and undertable image receptor positioning.</li><li>- One single joystick for patient angle oriented operation of C-arm and image receptor movements.</li><li>- Integrated, computer-aided collision monitoring ICP (Intelligent Collision Protection).</li><li>- Tilting range of the gantry <math>\pm 90^\circ</math>: enables 3D acquisitions, when available, on standing patients.</li><li>- Two work and one park position.</li><li>- Double oblique projections of <math>60^\circ</math> LAO to <math>90^\circ</math> RAO and <math>\pm 45^\circ</math> cran/caud.</li><li>- Variable source-to-detector distance between 90 cm and 120 cm.</li><li>- Longitudinal travel of the C-arm system 165 cm.</li><li>- Height adjustment of the C-arm system (isocenter-floor distance) from 107 cm to 150 cm.</li><li>- Motorized patient tabletop in carbon fiber sandwich design: Height adjustment from 70 cm to 120 cm. Longitudinal travel 120 cm (within <math>\pm 20^\circ</math>). Transverse travel from 25 cm to -40 cm.</li></ul> <p>A maximum patient weight of only 150 kg is permitted for use in urology and in conjunction with the leg supports, 04435736.</p> <p><b>Operation</b></p> <p>An ideal workflow requires full user operation capabilities for the system including imaging system and generator under sterile conditions in the examination room. The user should be able to operate the system by himself without needing to leave the examination room as necessary. The intuitive <i>syngo</i> operating elements allow for managing the whole process from preparation of the patient to image post processing in a safe, reliable, and time efficient way.</p> <p>In the examination room: Complete system operation through modular control elements either on a control trolley or directly at the patient table for controlling C-arm movements, patient table and multileaf collimator. Touchscreen with multi-functional joystick for operation of the imaging system, including post-processing and quantification as well as selection of the organ programs. It is based on <i>syngo</i> operation. The touchscreen is specifically configurable to individual clinical requirements. Data regarding system and table geometry, dose data with CAREwatch, as well as system messages, are shown in the live display</p> <p>In the control room: Standard Siemens <i>syngo</i> control via keyboard and mouse for all imaging system functions such as image post-processing, archiving, configuration of organ programs, and patient administration.</p> <p><b>Display of system data</b></p> <p>Data regarding system and table geometry, dose data with CAREwatch, as well as system messages, are shown integrated on the display in the examination room.</p>

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<p><b>(Continued)</b></p> <p><b>Artis zee multi-purpose</b></p>	<p><b>Tube assembly MEGALIX Cat Plus 125/20/40/80-12xGW</b>  3-focus high-performance X-ray tube with flat emitter technology, metal center tube in lubricated spiral groove bearing technology for permanent, noise-free rotation.</p> <ul style="list-style-type: none"> <li>- Maximum tube voltage 125 kV</li> <li>- Focus: 0.3/0.6 x 0.6*/1.0 (17/38/80 kW)</li> <li>- Anode angle 12°</li> <li>- Maximum anode heat storage capacity: 3,375,000 HU</li> <li>- Maximum tube current for fluoroscopy: 250 mA</li> </ul> <p>* with improved image quality</p> <p><b>X-ray Generator</b>  Microprocessor-controlled high-frequency X-ray generator with automatic dose rate control for exposure and fluoroscopy.</p> <ul style="list-style-type: none"> <li>- Maximum 100 kW at 100 kV (DIN 6822), nominal power 80 kW (100 kV, 800 mA, 0.1 s) with MEGALIX Cat Plus, depending on the X-ray tube used.</li> <li>- SID tracking (automatic tube current adaptation to source-to-detector distance).</li> <li>- CAREmatic automatic X-ray control system for fully automatic calculation and optimization of exposure data based on fluoroscopic data.</li> <li>- Patient transparency monitoring.</li> <li>- Tube load monitoring with indication in the data display.</li> <li>- Generator operation fully integrated in the system operation.</li> </ul> <p><b>Flat detector 30 x 40</b>  The digital high-resolution dynamic flat detector with integrated removable grid is especially designed to fulfill the requirements of angiographic and interventional applications.</p> <p>154 µm pixel arrays provide highest spatial resolution (3.25 LP/mm) and excellent contrast. Fluoroscopy as well as image acquisition are always done in 14-bit gray scale resolution, allowing excellent detail visibility. Acquisition frame rates of up to 30 f/s are possible.</p> <p>Usable input formats:</p> <ul style="list-style-type: none"> <li>- Overview mode 30 cm x 38 cm.</li> <li>- Zoom 1: 30 cm x 30 cm; diagonal 42 cm.</li> <li>- Zoom 2: 22 cm x 22 cm; diagonal 32 cm.</li> <li>- Zoom 3: 16 cm x 16 cm; diagonal 22 cm.</li> <li>- Zoom 4: 11 cm x 11 cm; diagonal 16 cm.</li> <li>- Zoom 5: 8 cm x 8 cm; diagonal 11 cm.</li> </ul> <p>The very compact design with integrated collision protection provides maximum C-arm angulation range for excellent patient access.</p> <p>The flat detector is mounted on a motorized rotating turntable at the C-arm. It can be rotated by 90°, so that it can be adjusted to landscape format or portrait format.  Motorized adjustment of the detector-patient distance.</p> <p>Digital data transfer from the detector to the imaging system is via a high-speed Gigalink fiber-optic cable.</p> <p><b>Removable grid:</b>  The grid can easily be removed, saving the user time in examinations not requiring a grid. For example in pediatrics, where dose saving is especially important.</p> <p><b>Collimator</b>  Angio collimator with rectangular collimator, wedge-shaped filter diaphragms for DSA and cardiological applications and finger-shaped follow-up filter.</p> <ul style="list-style-type: none"> <li>- Independent rotation and shifting of filter diaphragms.</li> <li>- Five-step adaptive Cu prefiltration (CAREfilter) to reduce skin dose: Automatically controlled selection</li> </ul>

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<p><i>(Continued)</i></p> <p><b>Artis zee multi-purpose</b></p>	<p>depending on object absorption.</p> <p><b>Imaging System</b> High-resolution digital imaging system with CLEAR technology, DICOM network connection and <i>syngo</i> user interface.</p> <p>In order to provide highest level system availability, the imaging system consists of two independent computer systems that manage central tasks such as real-time image processing during fluoroscopy or acquisition as well as post-processing and networking functionality separately from one another. This ensures the system performance will always meet the highest possible demands.</p> <p><b>Image storage capacity</b> 25,000 images in 1k/12-bit image matrix (extendable).</p> <p><b>Operating modes</b></p> <ul style="list-style-type: none"> <li>- Digital radiography (DR) in 1k/12-bit matrix and digital real-time filtration, single image and serial acquisition of 0.5 f/s to 7.5 f/s (with high-speed option up to 30 f/s) with time-controlled and manually variable frame rate.</li> <li>- Digital pulsed fluoroscopy with pulse frequencies of 7.5 f/s, 10 p/s, 15 p/s, and 30 p/s in 1k/12-bit matrix.</li> <li>- Overlay fade: On-line overlay of active fluoroscopy and reference image.</li> </ul> <p><b>CARE package</b> Siemens follows the ALARA principle: "As Low as Reasonably Achievable"; the CARE package (Combined Applications to Reduce Exposure) was developed based on this research and development principle to protect the examiner and the patient.</p> <p>Dose saving</p> <ul style="list-style-type: none"> <li>- CAREvision: Pulsed fluoroscopy with additional, reduced pulse rates of 7.5 p/s to 0.5 p/s. Adaptation of pulse rate to the current application requirements for significant reduction of radiation exposure, especially during interventional procedures.</li> <li>- CAREprofile: Radiation-free positioning of the primary and semi-transparent diaphragms by means of graphic display in the LIH (Last Image Hold). Collimator shutters and semi-transparent filters can be adjusted as a graphical overlay on the last-image-hold without any need for fluoroscopy.</li> <li>- CAREposition: Object repositioning without radiation through graphic display of the X-ray central beam and the image edges in the LIH (Last Image Hold). CAREposition enables the repositioning of an object under visual control without radiation. In case of table movements the current position of the central beam and the image edges are superimposed on the LIH image as orientation points.</li> <li>- CAREfilter is intelligent control software that helps minimize X-ray dose without negative impact on image quality. During fluoroscopy and acquisition special copper prefilters are inserted into the X-ray beam depending on current X-ray transparency calculated by CAREMATIC. The five-step adaptive Cu prefiltration is used to reduce the equivalent dose of the skin and improve radiation quality through dose saving of low-energy X-ray radiation: Filter steps: 0.1; 0.2; 0.3; 0.6; 0.9 mm Cu. Selection is automatic depending on absorption. This is the only way to ensure that optimal prefiltration is used at all times. This automation makes work easier for the user because the given optimal filter setting need not be adjusted manually.</li> <li>- CAREwatch: Display of the measured dose-area product and the calculated patient air kerma reference on the flat screen display. Electronics unit with DIAMENTOR measurement chamber integrated in the collimator housing for dose acquisition. Configurable screens on the data display and imaging system monitor: During fluoroscopy: Air kerma reference rate. During fluoroscopy interval: Accumulated air kerma reference or dose-area product or percentage of dose limit value (sum of fluoroscopy and acquisition).</li> <li>- Low dose acquisition: enables dose savings of up to 60 % during the examination. The low dose acquisition protocol can be released directly with the footswitch.</li> </ul> <p>Dose monitoring</p> <ul style="list-style-type: none"> <li>- CAREguard: offers the possibility of establishing three limit values for the air kerma reference. If the accumulated air kerma reference exceeds the configured limit value, a warning appears on the live display and tableside on the touchscreen control. This provides ideal air kerma reference monitoring during the examination.</li> <li>- CAREmonitor supports the physician by enabling dose-efficient examinations, thereby significantly reducing the risk of skin burns. It includes special monitoring of the skin entry dose, taking into account the geometric conditions of the system (device angulation, table position). This ensures that the skin entry dose applied to a</li> </ul>

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<p><b>(Continued)</b></p> <p><b>Artis zee multi-purpose</b></p>	<p>specific region of the patient's body will not exceed a specified threshold, thereby better protecting the patient from the harmful effects of X-radiation.</p> <p>The critical equivalent skin dose to avoid X-ray-related skin injury is at about 2 Gy. CAREmonitor consistently calculates and displays the actual accumulated skin entry dose. This helps the user to detect a potential patient hazard quickly and with certainty.</p> <p>Dose reporting</p> <ul style="list-style-type: none"> <li>- CAREreport: part of the DICOM Structured Report; displays the dose information in DICOM format after every examination. This creates an integrated DICOM data set consisting of images and dose information, which can be sent together to a DICOM archive. The display of dose information in DICOM format permits the flexible analysis and further processing via a DICOM-capable analysis software/database.</li> </ul> <p><b>CLEAR package</b></p> <p>This automation makes work easier for the user because the given optimal filter setting need not be adjusted manually.</p> <ul style="list-style-type: none"> <li>- CLEARcontrol: The new histogram analysis provides a more homogeneous image impression by harmonizing over- and underexposed areas of the image. This is done fully automatically, thus eliminating any further manual user corrections through windowing.</li> <li>- CLEARview: Dose-dependent filtering of the image data efficiently suppresses image noise, enabling clear, sharp images, even for low-dose acquisitions.</li> <li>- CLEARvessel: Every pixel is analyzed in real time, and vessel edges are shown in high contrast without adding noise to the image.</li> <li>- CLEARmotion: Fine moving structures, such as small vessels and guidewires, are detected in the image and motion artifacts are suppressed efficiently. The visibility of small moving vessels and guidewires is improved significantly during fluoroscopy.</li> </ul> <p>In addition there is Dynamic Density Optimization (DDO) for on-line harmonization of native series and single images.</p> <p><b>Image processing</b></p> <ul style="list-style-type: none"> <li>- Positive/negative image display, windowing, contrast/brightness, electronic display (shutter), image shift (roaming), vertical and horizontal image inversion, magnifying glass, and zoom functions.</li> <li>- Storing of single images as reference images also during fluoroscopy.</li> <li>- Distance and angle measurement.</li> <li>- Text functions: user-definable image annotation, free annotation or by means of text components, comments line for the image, R/L display.</li> <li>- Fast and direct access to all series, single images, and photo file via MULTIMAP both in the examination and in the control room.</li> <li>- Possibility to name a scene in the image text before radiation is released.</li> <li>- Prepared for scanning technology</li> <li>- Object scan with constant moving speed of the C-arm and automatic exposure release. Display of long image on the <i>syngo</i> MultiModality / <i>syngo</i> X Workplace.</li> </ul> <p><b>DVD / CD burner (DICOM)</b></p> <p>DVD drive for automatic digital image storage in the background on DVD-/CD-ROM for off-line data exchange in DICOM format.</p> <p><b>Networking</b></p> <p>Network interface (100 BaseT) with the following integrated DICOM services:</p> <ul style="list-style-type: none"> <li>- 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 is fully automatically transferring the images to the archive scene by scene. This is a background process, and thus does not interfere with the ongoing fluoroscopy or acquisition.</li> <li>- DICOM Storage Commitment (StC): Feedback from the image archive. The DICOM StC function automatically gives feedback on whether the generated image data were successfully transferred. This provides the necessary certainty to the user before deleting the acquired images locally in the imaging system.</li> </ul>

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<p><b>(Continued)</b></p> <p><b>Artis zee multi-purpose</b></p>	<ul style="list-style-type: none"> <li>- DICOM-Query/Retrieve: Retrieval of archived images from a digital archive or from a workstation. The user can query image data from a previous examination or from a CT or MR system from the archive and display the data as a reference image in the examination room. There is no need for a separate workstation.</li> <li>- DICOM Print: Printing of images by means of a virtual filmsheet on a DICOM laser camera. Selecting "Auto-Print" automatically forwards the images stored in 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 on the virtual filmsheet, which the user can review and edit on the monitor at any time. As a result, printing is only required after the layout has been optimized on the monitor, saving time and costs.</li> <li>- DICOM Structured Report: All the quantification results obtained on the system as well as all dose information on the individual radiation releases can be saved in DICOM SR (Enhanced SR) format and transferred to a DICOM network.</li> </ul> <p><b>Note concerning DICOM interface(s):</b> For diagnostic purposes, only hardcopy cameras/laser printers explicitly approved for this system may be used.</p> <p>The description in the DICOM Conformance Statement downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s).</p> <p>Functionalities across interfaces 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.</p> <p>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.</p> <p><b>Accessories included in the scope of delivery</b></p> <ul style="list-style-type: none"> <li>- Footswitch for acquisition and fluoroscopy</li> <li>- Foot rest</li> <li>- 1 pair of hand grips</li> <li>- Attachment part for tableside control and patient table mattress</li> <li>- Trolley for securing the control elements</li> </ul> <p><b>Siemens Remote Service</b> Prepared for Siemens Remote Service SRS (during warranty, then with service contract):</p> <ul style="list-style-type: none"> <li>- Hardware and software remote diagnosis.</li> <li>- System remote configuration, e.g. adding of a DICOM node.</li> <li>- Early warning system ensuring system operation.</li> </ul> <p><b>syngo Evolve for Artis zee</b> <i>syngo Evolve</i> is a service feature that is offered as a separate sales option for all systems of the Artis zee family. It is a key component of our upgrade strategy and allows the customer to take advantage of technological advancements.</p> <p><b>Customer Care. Life - the customer care solution by Siemens Healthcare</b> From the moment you purchase your Siemens system you will benefit from many services that are offered by "Customer Care. Life", e.g.:</p> <ul style="list-style-type: none"> <li>- initial application training,</li> <li>- interactive e-learning for various applications,</li> <li>- free customer magazines,</li> <li>- arrangements for clinical training via a global network,</li> <li>- and free trial licenses</li> </ul> <p>You will find detailed information on our e-learning program and further details on general "Customer Care. Life" services on the internet.</p> <p>* Not all services of the Customer Care. Life" offerings are not necessarily available to the full extent for all systems.</p>

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<b>DCS 2 DVI 2xBWD-19 (Live+Ref.)</b>	<p>Ceiling-mounted, swiveling, rotating, height-adjustable display suspension system with longitudinal travel with two 19" high-contrast b/w displays for live and reference image display.</p> <p>Displays in monochrome TFT technology with high luminance and extended viewing angle.</p> <ul style="list-style-type: none"> <li>- 19" (48 cm) monitor.</li> <li>- Resolution: 1,280 x 1,024 (pixel).</li> <li>- Guaranteed brightness for the entire service life: 400 cd/m<sup>2</sup> at a contrast ratio of 500:1.</li> <li>- Flicker-free and distortion-free image display.</li> <li>- Ambient light sensor for optimum adaptation to the room brightness.</li> </ul>
<b>C-Room DVI 1xBWD-19 (Live) -36m</b>	<p>19" high-contrast b/w display for live image display, as well as syngo operation in the control room. Table design with black frame.</p> <p>Display in monochrome TFT technology with high luminance and extended viewing angle.</p> <ul style="list-style-type: none"> <li>- 19" (48 cm) monitor.</li> <li>- Resolution: 1,280 x 1,024 (pixel).</li> <li>- Guaranteed brightness for the entire service life: 400 cd/m<sup>2</sup> at a contrast ratio of 500:1.</li> <li>- Flicker-free and distortion-free image display.</li> <li>- Ambient light sensor for optimum adaptation to the room brightness.</li> </ul>
<b>Automap</b>	<p>Optimized procedure workflow, especially during interventions is the result of the automap-function. A selected reference image displaying the needed medical information (e.g. before dilatation) is used as the basis for moving the system to the correlated position automatically. The intervention can be continued immediately without manually repositioning the patient. Vice versa, an already stored reference image for a dedicated system position is automatically displayed when automap is selected, making it easy to switch from one angulation to another with instantly available image information.</p>
<b>DICOM HIS / RIS</b>	<p><b>DICOM MWL (Modality Worklist):</b> Import of patient/examination data from an external RIS/HIS patient management system.</p> <p><b>Note concerning DICOM interface(s)</b> For diagnostic purposes, only hardcopy cameras/laser printers explicitly approved for this system may be used.</p> <p>The description in the DICOM Conformance Statement downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s).</p> <p>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.</p> <p>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.</p> <p>With regard to expenses for interface configurations that might be required, the agreements on maintenance/service of the product apply.</p>
<b>DICOM MPPS</b>	<p><b>DICOM MPPS (Modality Performed Procedure Step)</b> Sending of dose data, patient data, and examination data to an external RIS/HIS patient management system. Sent in MPPS:</p> <ul style="list-style-type: none"> <li>- <b>Total dose-area product</b></li> <li>- <b>Number of exposures</b></li> <li>- <b>kV</b> per image (DICOM Exposure Dose Sequence)</li> <li>- <b>ms</b> per image</li> <li>- <b>mA</b> per image</li> </ul> <p><b>Note concerning DICOM interface(s)</b> For diagnostic purposes, only hardcopy cameras/laser printers explicitly approved for this system may be used.</p> <p>The description in the DICOM Conformance Statement downloadable from the Internet is exclusively binding for</p>

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<b>(Continued)</b>  <b>DICOM MPPS</b>	<p>the functionality of the DICOM interface(s).</p> <p>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.</p> <p>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.</p> <p>With regard to expenses for interface configurations that might be required, the agreements on maintenance/service of the product apply.</p>
<b>Lower body radiation protection rig</b>	<p>For lower body radiation protection against scattered radiation, a fixed radiation protection (0.5 mm Pb equ.) can be attached to the supplied accessory rail.</p> <p>Even with Trendelenburg positions of up to <math>\pm 15</math> degrees, there is secure protection without restriction of acquisition projections or of system control and intervention. The insertable upper element with a height of 24 cm is slightly inclined by 30 degrees towards the patient.</p>
<b>LED Exam Light</b>	<p>Mach LED 130F examination light with focusable light system. Can also be installed on the Portegra2 ceiling support of the portable radiation protection panel.</p> <p>It is therefore fully integrated into the ceiling-installed radiation protection system of the Artis Zee/Q/Zen family.</p> <ul style="list-style-type: none"> <li>- Luminance: 60,000 Lux for 100 cm distance</li> <li>- Working distance: 70 to 140cm</li> <li>- Color rendering index Ra: 95</li> <li>- Color temperature: 4,300 Kelvin</li> <li>- Focusable spot size: 14 to 25cm</li> <li>- Diameter of light head: 33cm</li> <li>- Number of LEDs: 19</li> <li>- Total input power: 20 VA</li> <li>- Max. reach of the spring arm combination: 185 cm</li> <li>- Total weight of light head with grip sleeve: 2,4kg</li> </ul> <p>Lamp power connection 230V or 115V possible</p>
<b>syngo Keyboard, English - US</b>	<p>Keyboard for easy operation of <i>syngo</i> (browser, viewer, filming). There are special keys for windowing, scrolling, printing, marking and network communication.</p>
<b>Eaton Powerware 9355 15 kVA UPS</b>	<p>This UPS is recommended when protection and uninterruptible power is required for the C-arm and table. Emergency fluoroscopy is not available with this UPS. If emergency fluoroscopy is required, the 9390 - 160 kVA UPS is recommended for the full system. One UPS per lab.</p> <p><b>Operation:</b></p> <ul style="list-style-type: none"> <li>- Since this UPS is working completely uninterrupted, a power failure is observed when no radiation is available and the display shows "No X-ray please wait".</li> <li>- The Emergency power lamp (red) will light on the power display during a power failure. All stand movements are possible and the image system functions are protected against data loss. Guaranteed back up time: 10 min.</li> <li>- Restoring of hospital's main power supply is indicated when the generator boots again (also green Hospital power lamp lights). Full exposures are available after apx. 75 seconds.</li> </ul> <p>Includes UPS, battery, maintenance bypass panel, and one year on-site parts and labor coverage (24x7) by Eaton Powerware.</p> <p>Additional seismic brackets are required to make this system OSHPD approved.</p>
<b>Blue anti-fatigue floor mat for hospital</b>	<b>NT60010835 Interstate Mat Corporation Anti-fatigue Mat</b>

Part No. / Product	Description
<b>(Continued)</b>  <b>Blue anti-fatigue floor mat for hospital</b>	Industrial-grade anti-fatigue floor mat that provides comfort and durability. As a high-quality product designed to fight fatigue, it provides support for tired, aching feet, legs and back. Beveled edges for safety. Size 3'x5'.
<b>Vessel analysis (Optional)</b>	<p>Measuring program integrated in the imaging system for objective, precise and reproducible evaluation of vessels.</p> <ul style="list-style-type: none"> <li>- Automated contour detection.</li> <li>- Determination of degree of stenosis.</li> <li>- Automatic and manual reference diameter determination.</li> <li>- Automatic and manual calibration methods.</li> <li>- Distance and angle measurement.</li> </ul> <p>The vascular analysis allows precise quantification under sterile conditions, direct at table side with the touchscreen control. This speeds up the intervention and makes the procedure safer for the patient. The reports can be easily stored in the patient folder for documentation and to show the correct analysis of dilatations etc. Especially to be used for vessel sizes between 0.5 mm and 50 mm.</p>