

SOFTWARE MODULES & ACCESSORIES

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- K2008KC ID tablet

Viewing and QC

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- K2025KD QC viewer software
- K2025KC IPD viewer software

Connectivity Tools

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- K2025KE Autorouting software
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Quality Control

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- K2025KK Dose Monitoring software

Furniture

- K2008L ID stand, rack and shelf (USA style)
- K2008KS ID stand, rack and shelf (French style)



K2025KA

Centricity CR ID Software

Client license required

The Centricity CR ID software is used to record patient demographic and examination data, in a study oriented manner, onto the memory chip that is embedded in the CR cassette (contact-less via radio-frequency) or is being transmitted directly to the SP1001 CR reader. During the cassette readout, the CR reader links the demographic data with the image and uses the examination data to set the appropriate image processing parameters. The Centricity CR ID software runs on standard PC platforms.

K2008KC

Identification Tablet

The ID Tablet Provides Contactless data transmission to cassette via radio frequency. Patient demographic data is either manually entered via ID software or downloaded from RIS via RISLINK Toolkit software and transmitted to a memory chip in the cassette linking patient data with the image data. The ID tablet includes RF Read/Write device with cassette guide, cables, and top shelf stacking.

K2025KB

On-line Processing Software

Server License required, 1 to 3 clients per server

Centricity CR on-line processing software performs multiple tasks such as:

- Automatic image-processing of the incoming raw data from the Centricity CR readers (MP3510 and SP1001) using Agfa's proprietary MUSICA software
- Automatic window width and window level setting
- Collimation border detection, allowing the optional Black Border software to automatically darken the area outside of the actual region of interest
- Sensitometry mapping

It also supplies the user with a "Basic QC- Viewer" for basic image corrections:

- Manual adjustment of window width and window level
- Flip/rotate
- Image reprocessing using predefined MUSICA settings
- Free annotation text
- Manual "shutter" darkens user-defined rectangular area outside region of interest
- DICOM printing to Agfa printers (one-on-one and actual size)
- Retrieve images from local hard drive
- Preview of images

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K2025KD

QC Viewer Software

Client license required

The Centricity CR QC Viewer (Quality Control) is a study-oriented viewer for interactive image processing or post-processing. It is a powerful tool for image correction such as changing MUSICA image processing parameters or selecting different sensitometry curves. These features allow you to use the capabilities of the Centricity CR system to their fullest extent. This viewer is also considered as a “production” tool, therefore it is designed to minimize mouse clicks and has a customizable user interface (e.g. icon location). It can also be used for image previewing.

QC Viewer offers these features over and above the Basic QC Viewer (included with on-line processing):

- Interactive access to MUSICA image processing settings and sensitometry curves
- Image histogram displayed
- On-screen image manipulation – invert, saturation, burn, collimation, mag glass and roaming
- Configurable demographics and display of study overview
- “Drag-and-drop” DICOM printing to Agfa and most non-Agfa printers in several standard layouts
- Print Composer to create text frames for adding patient information and comments
- View multiple images of one or more studies

K2025KC

IPD Viewer Software

Client license required

The Centricity CR IPD Viewer (Interactive Processing Diagnostic) is a highly advanced tool for an easy and fast way of working with CR studies. It can be used for selecting, retrieving, viewing, local archiving, printing, transmitting and even diagnosis of CR images and also offers interactive image processing like the QC Viewer. The IPD Viewer has two main environments, a Selector and a Viewer mode. In the Selector, environment studies can be filtered, selected and opened for the Viewer. The IPD Viewer can be used for interactive image processing, image management and QC or diagnostic viewing of CR images.

IPD Viewer offers these features over and above the QC Viewer:

- Selector mode with thumbnails to retrieve locally stored images
- On-screen distance measurements with calibration
- More annotation choices – lines, arrows, shapes, grid, predefined text
- Expanded choices for selecting region of interest – rectangle, circle, polygon

K2025KR

RISLink Toolkit Software

Server license required, 1 to 3 clients per server

The Centricity CR RISLink software is a suite of services that permit the user to create a link between the Centricity CR ID software and a RIS system via a PACS broker. This allows patient data to be downloaded to the ID Station and feedback data uploaded to the RIS system. Enabling the RISLink Toolkit software at the ID station greatly enhances useability of the CR system by populating the patient demographic fields either directly or via manual input, a DICOM worklist, barcode or accession number. With necessary information readily accessible, staff members can concentrate on other tasks – all while working more efficiently and productively.

K2008KF

DICOM Store Software

Server license required, 1 to 3 clients per server

The Centricity CR DICOM store allows you to perform on-line transmission in the DICOM standard communication protocol format (e.g. network, modem, etc.). This software is mandatory for sending images to a PACS system.

K2008KE

Autorouting Software

Server license required, 1 to 3 clients per server

The Centricity CR Autorouting software is a menu-driven option enabling the user to send CR images to their destinations completely automatically. This is done by means of default settings for each examination. Images need not be manually selected and sent to their destinations, as each combination of “radiologist, exam type and exam subtype” can be linked by default to a particular destination. The user has virtually unlimited flexibility regarding the automatic selection of any hardcopy, review, archive or processing.

K2020KS Multi-format Import/Export Software

Server license required, 1 to 3 clients per server

The Centricity CR Multi-format Import/Export software offers the possibility for off-line transmission of CR images. For example, import (XML) images from a portable media, such as (CD) or export images in a non-DICOM format (XML, TIFF, BMP, JPEG, PNG).

K2025KG

Black Border Software

Server license required, 1 to 3 clients per server

The Centricity CR Black Border software uses a complex set of high level rule-based algorithms to automatically detect borders of single- or multiple-collimated images and increase their average density. This process greatly enhances image viewing. By automatically increasing the average density of the collimation borders, it removes the dazzling effect of the ambient light outside the collimation area. At the same

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time, the software ensures that important contextual features in the border areas are preserved. The opacity and coverage of the darkened border can be manually adjusted.

K2025KJ *Annotation Software*

Client license required

The Centricity CR Annotation software features a user-friendly button operated interface for annotating CR images on-screen. It is also possible to perform annotation on zoomed images. Annotations can be saved with the image and toggled ON or OFF when reviewing.

It includes the following features that are also part of the IPD Viewer software:

- On-screen distance measurements with calibration
- More choices – lines, arrows, shapes, grid, predefined text

K2025KP *SmartPrint Software*

Server license required, 1 to 3 clients per server

The Centricity CR SmartPrint software is a layout editor which offers the following features over and above the functionality, available in either the QC or IPD Viewer (print composer):

- Choose from an expanded list of standard print layouts
- Easily configure your own print layouts
- Drag images between sheets
- Postscript paper printing

SmartPrint does not offer any added printer connectivity beyond what is available via standard DICOM printing.

K2025KM *Dental Software*

Server license required, 1 to 3 clients per server

The Centricity CR Dental software is a set of MUSICA image processing parameters settings that are specially adapted to ensure optimized extra-oral dental imaging. The exposure is made with a dedicated 15 x 30 cm CR cassette. The image processing settings are fine-tuned and clinically tested for the various extra-oral examination types. The dental software ensures constant image quality and eliminates loss of diagnostic information due to local over- or underexposure.

K2025KN *Uro/Tomo Software*

Server license required, 1 to 3 clients per server

The Centricity CR Uro/Tomo software is a comprehensive group of MUSICA image processing parameter settings optimized for urography and tomography examinations. It brings to these two areas, all the Centricity CR system's advantages in terms of visualization and diagnosis.

K2025KH *Pediatric Software*

Server license required, 1 to 3 clients per server

The Centricity CR Pediatric software is a set of enhanced algorithms and MUSICA parameter settings that are specially adapted to ensure optimized pediatric imaging and provide increased visibility of fine details. Four age and/or weight categories are defined and tested, so that dedicated processing for each age group is possible:

- Up to one year
- 1 to 5 years
- 13 years or more

The software algorithms apply to the following pediatric examinations:

- Thorax
- Skeletal – including skull, extremities, spine, pelvis and shoulder
- Abdomen

This is especially advantageous for difficult exposures of premature newborns. The software is in conformity with the European and FDA guidelines on quality criteria for diagnostic radiographic images in pediatrics.

K2025KL *Full Leg/Full Spine Software*

Server license required, 1 to 3 clients per server

The Centricity CR Full Leg/Full Spine software automates the process of forming a geometrically accurate full-body image with as little user-action as possible. Images are obtained by the use of several overlapping plates in a single cassette or several CR cassettes in a specially built cassette holder. The individual sub-images are input into the user interface and the user indicates what order the images should be in, from bottom to top. If necessary, you can rotate images to ensure that all body parts are in the upright position. From this point on, the Full Leg/Full Spine software operates totally automatically. The software compensates for various sources of misalignment, such as overlap, shift, rotation and perspective foreshortening. The newly composed images can be post processed, printed and archived like any other CR image.

K2008LA *Full Body Cassette w/Grid Template*

The Full Body cassette holder with grid template is used for full body and long leg imaging. Three 35 x 43 cm cassettes or plates are positioned such that the plate surfaces overlap at the edges. During exposure the attenuation grid template leaves the imprint of a regular framework of thin parallel horizontal and vertical lines on the images. This framework is used by the software for alignment of the images. Dimensions of the cassette holder are 30 x 120 cm.

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K2008LB *Scoli/Long Leg Grid Template*

The grid template is used with the full body cassette holder for full spine and long leg imaging (30 x 120 cm). During exposure the attenuation grid template leaves the imprint of a regular framework of thin parallel horizontal and vertical lines on the images. This framework is used by the software for alignment of the images. Dimensions of the cassette holder are 30 x 120 cm.

K2025KW *Auto QC Software*

Client license required

The Centricity CR Auto QC software is part of a comprehensive CR quality assessment program. This program consists of two dedicated test objects and a set of automated test procedures contained in the Centricity CR Auto QC software that enable you to control and monitor the technical quality of your CR equipment. According to which parameters you want to control, you can make an exposure of the spatial test object or the contrast test object. Once you have made the exposure, you have to identify the image as a QC image. From the list of QC identified images, you select the test object image you want to have analyzed. The Auto QC software detects the position and orientation of the phantom, performs the measurements and calculates all data.

The spatial test object enables measurement of:

- Square wave response
- Geometrical distortion
- Scanned width
- Sweep linearity
- Scan line non-uniformity parameters

The contrast test object makes it possible to measure:

- Dynamic range
- Signal-to-noise ratio
- Scan average level and logarithmic sensitivity shift parameters

K2008KT *Test Phantom*

QC Evaluation Test Tools consist of spatial and contrast test objects. Used in conjunction with the Auto QC software, the spatial test object generates Square Wave Response (SWR), geometrical distortion, and scanned width. In addition the sweep linearity and scan line non-uniformity parameters can also be measured. The contrast test object when used with the Auto QC software measures dynamic range, signal-to-noise ratio (SNR), Scan Average Level (SAL), and logarithmic sensitivity shift parameters.

K2025KK *Dose Monitoring Software*

Client license required

The Centricity CR Dose Monitoring software allows you to monitor occasional or systematic exposure deviation. A bar indicator, printed in the hardcopy footer and on the QC Viewer screen informs you how much the exposure dose deviates from the nominal value for the given examination. This self-teaching expert program derives the target exposure dose for each examination during a learning phase in which statistics are collected. Where dose monitoring has been toggled-on in the configuration menu the footer displays a green dose deviation bar. Whenever the image has been underexposed, the bar graph extends to the left and assumes a blue color. When the image has been overexposed, the bar graph extends to the right and is colored red. When the image has been correctly exposed, the green dose deviation bar shows a purple line in the middle.

K2008L *Stand & Rack (U.S.)* **U.S. style**

This is a stand and rack to hold a workstation. It includes a 4 slot cassette rack and shelves to hold a monitor, CPU with keyboard and mouse, ID tablet, and UPS.

K2008KS *Stand & Rack (FR)* **French style**

This is a stand and rack to hold a workstation. It includes a 4 slot cassette rack and shelves to hold a monitor, CPU with keyboard and mouse, ID tablet, and UPS.

Identification

Better workflow

The Centricity CR ID software delivers a powerful productivity boost when run on the Centricity CR ID or ID/QA workstation. With a conveniently located PC and monitor, single slot ID tablet and rack for cassette storage you benefit from the distributed architecture of Centricity CR.

Linked data

The Centricity CR ID software is used to record patient demographic and exam data onto a memory chip in the Centricity CR cassette. This step links the demographics with the image and allows the appropriate image processing to be applied per the exam type.

Simple operation

The menu on the Centricity CR ID software has been designed for quick and easy use as-is, or configured to the user's needs. In either case, patient data are automatically written onto the cassette memory when the cassette is inserted into the transmission slot of the ID tablet. With an in-room deployment of the Centricity CR SP1001 single plate reader and a dedicated ID/QA station, the ID tablet

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hardware is optional with the Direct Identification feature.

RIS integration

The Centricity CR ID software also permits rapid and error-free communication of patient data from the RIS system through the addition of the Centricity CR RISLink Toolkit software module.

Viewing and QC

Automated CR image processing

The Centricity CR on-line processing software automatically processes incoming raw images and delivers high quality diagnostic images to the printer and/or soft copy read.

The on-line processing software is driven by the exam type selected during the identification process and encoded on the Centricity CR cassette. For any given exam, the on-line processing software will use the pre-defined default settings for that exam to ensure consistent image processing. The on-line processing software performs a multitude of tasks in just seconds, resulting in fully processed and ready-to-display CR images.

MUSICA – This module runs the advanced image processing software, providing detail contrast enhancement, edge contrast enhancement, latitude reduction and noise reduction.

ROIfinder – This module runs the collimation border detection software, providing high definition collimation borders and image partitioning.

Automatic Window/Level setting – The correct window and level setting are computed from the raw image histogram to provide optimal information content for image display.

Sensitometry mapping – Selected sensitometric look-up tables are applied to provide the best visual match to the display medium (monitor or hardcopy).

Feature-rich image review and QC

The on-line processing software also includes a “Basic QC Viewer” for basic image corrections, including manual adjustment of window width and window level, flip/rotate, image reprocessing using predefined MUSICA settings and free annotation text. Included is a manual “shutter” feature which darkens user-defined rectangular area outside region of interest, plus DICOM printing to Agfa printers (one-on-one and actual size). Also standard is the ability to retrieve images from local hard drive and perform a preview of processed images.

Advanced on-line image management tool

Available as an option, the QC Viewer software takes an

ID/QA station or dedicated QA station to the next level of functionality. This study oriented viewer can be used for interactive image processing or post-processing. It is a powerful tool for image correction such as changing MUSICA image processing parameters or selecting different sensitometry curves. These features allow you to use the capabilities of the Centricity CR system to their fullest extent. This viewer is also considered as a “production” tool, therefore it is designed to minimize mouse clicks and has a customizable user interface (e.g. icon location). It can also be used for image previewing.

Sophisticated off-line viewing

The Centricity CR IPD Viewer (Interactive Processing Diagnostic) software is a highly advanced tool for an easy and fast way of working with CR studies. It can be used for selecting, retrieving, viewing, reporting, archiving, printing, transmitting and even diagnosis of CR images and also offers interactive image processing like the QC Viewer. The IPD Viewer has two main environments, a Selector and a Viewer mode. In the Selector, environment studies can be filtered, selected and opened for the Viewer. The Viewer can be used for interactive image processing, image management and QC or diagnostic viewing of CR images.

Connectivity Tools

Download patient data

Connect into your existing Hospital Information System (HIS) or Radiology Information System (RIS) with the Centricity CR RISLink Toolkit software. This intelligent tool for the ID station or ID/QA station streamlines your workflow by minimizing repetitive data entry tasks. Staff members can populate the required fields via manual input, a DICOM worklist, bar code or accession number – quickly, simply, easily. Data entry tasks are minimized, and data entry errors can be significantly reduced or eliminated. With necessary information readily accessible, staff members can concentrate on other tasks – all while working more efficiently and productively.

DICOM 3.0 interconnectivity

The Centricity CR DICOM store software enables you to transmit, store and view Centricity CR images through the DICOM standard protocol. With this software enabled, the Centricity CR system can smoothly interface with PACS systems, laser imagers and review workstations using the DICOM protocol.

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Menu-driven autorouting

The Centricity CR Autorouting software is a set of options that allow you to send CR images to their destination – automatically. Default destinations can be specified simply and interactively using the menu screen. Each exam type can be automatically routed simultaneously to as many as two softcopy devices and one hardcopy device. By eliminating manual selection and routing, you can realize significant productivity improvements.

Send or receive images off-line

The Centricity CR Multi-format Import/Export software offers the possibility for off-line transmission of CR images. For example, import images from a portable media such as CD or DVD, or export images in a non-DICOM format (XML, TIFF, BMP, JPEG, PNG). Burn CDs directly from the CR workstation instead of sending out costly hardcopies.

Advanced Imaging

Optimize image border presentation

The Centricity CR Black Border software automatically identifies collimation borders having a certain film density and displays these areas as a black border around the diagnostic image. This automatic adjustment helps eliminate glare and ambient light interference when viewing diagnostic images. By superimposing an additional density without deleting any image information outside the collimation borders, the contours of the image within the border area become more clearly visible. And by eliminating glare, subtle lesions can be more readily seen.

Annotate on-screen

The Centricity CR Annotation software supplements your Centricity CR on-line processing software by providing extensive capabilities for annotating images on-screen beyond the basic free text capabilities that come standard with the Basic QC Viewer. The Centricity CR Annotation software features a user-friendly button operated interface for annotating CR images on-screen. It is also possible to perform annotation on zoomed images. Annotations can be saved with the image and toggled on or off when reviewing. On-screen distance measurements with calibration and more choices – lines, arrows, shapes, grid, predefined text – are part of the package.

Design customized hardcopy layouts

The Centricity CR SmartPrint software is a layout editor which offers several features over and above the functionality available in the optional Print Composer found in both the QC and IPD Viewer. Use this tool to choose from an expanded list of standard layouts or easily configure your own print layouts. Postscript paper printing is also included, as is the ability to drag images between sheets.

Process urography and tomography studies

The Centricity CR Uro/Tomo software is a comprehensive group of MUSICA processing parameter settings optimized for urography and tomography applications. This software can be applied in urographic examinations either with or without contrast, as well as with classical tomographic exams.

Designed for pediatrics

The Centricity CR Pediatric software has been designed specifically to meet the needs of pediatric imaging. This package features a set of MUSICA parameter settings for four specific age/weight groups. Enhancement algorithms have been fine-tuned for pediatric exams, increasing the visibility of fine details in these challenging images. Four age or weight categories have been defined and tested, providing dedicated processing for each category and covering a broad range of pediatric examinations, including the special imaging needs of premature newborns.

Image Stitching

Get the full picture

Accurate full-leg/full-spine imaging has been a significant challenge for traditional CR systems. With the Centricity CR Full-Leg/Full-Spine software, you can not only capture these very long images on your CR system, you can enhance them as well.

Simple image capture and display

The conventional screen/film combination is replaced with phosphor plates, placed in either a full-body cassette or in a cassette holder that can hold several Centricity CR cassettes. During exposure, a locating grid made of fine wire is present in the path of the X-ray beam. This leaves the imprint of a regular framework of thin horizontal and vertical lines on the images. After exposure, the plates, now identified as full-leg/full-spine images, are placed into the Centricity CR reader to be scanned. These sub-images then move to the user interface of the Centricity CR ID/QA or QA station. The user indicates what order the sub-images should be displayed – from bottom to top, and rotates them if necessary to ensure they are in the upright position. The software then automatically assembles the composite image and corrects for any sources of misalignment or distortion.

Image-to-film savings

The composite images can be printed on reduced-size film, saving film costs and facilitating filing and transport of these larger sized images.

Turnkey package

For making the most of the Centricity CR Full-Leg/Full-Spine software, two accessories are available to outfit the room. The first is a holder with wire grid template for

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three 14 x 17 inch cassettes, used to accurately position the individual Centricity CR cassettes during the examination and apply the locating lines for the stitching software. With this type of holder, each individual cassette can be quickly loaded and unloaded from the holder and no handling of the image plates is required. If your facility already has a cassette holder, the wire grid template can be purchased separately.

Stitching Software

- **Overlap.** The software recognizes and corrects for the overlap regions.
- **Shift.** The software corrects for any displacement of the image perpendicular to the body axis.
- **Rotation.** Slight rotations of the plates within the cassettes are recognized and corrected.
- **Foreshortening.** If the plates were tilted from the vertical or horizontal plane, the software will recognize and correct it.

Quality Control

Consistent quality assurance

The Centricity CR Auto QC software package helps you ensure consistent quality control for your CR system. Two dedicated test objects (the Centricity CR spatial and contrast test phantoms) and a set of automated test procedures contained in the Centricity CR Auto QC software, help you monitor and assess performance for consistent image quality. They enable imaging specialists to control and correct the technical quality of the CR and X-ray equipment quickly, simply and efficiently.

Spatial test object

The spatial test object consists of a base plate and the actual test object. It enables measurement of the Square Wave Response (SWR), geometric distortion and scanned width. In combination with the Centricity CR Auto QC software the sweep linearity and scan line non-uniformity parameters can also be measured. The spatial test object can be used with 35 x 43 cm cassettes.

Contrast test object

The contrast test object makes it possible to measure dynamic range. Used in combination with the Auto QC software, it provides the means of measuring Signal-to-Noise Ratio (SNR), Scan Average Level (SAL) and logarithmic sensitivity shift. The test is done using a 35 x 43 cm cassette in one exposure with predefined kV setting and dose.

Automated test procedures

Test procedures are almost entirely automated to simplify and streamline your QC process. The software detects the position and orientation of the phantom, performs the measurements and calculates all data. Array results are plotted in graph form and numerical data can be stored.

Regular testing assures consistent image quality

By performing regular test procedures you can ensure the high quality of your image delivery. Comparison of test results with previous results immediately reveals deviations from the required parameter settings. With the Centricity CR Auto QC software, you will have the tools you need to ensure reliability and optimization of system performance.

Monitor exposure

The Centricity CR Dose Monitoring software allows you to monitor and detect occasional or systematic exposure errors. The median (log) exposure is automatically computed from the histogram of each individual image or image partition. A bar indicator, printed in the hardcopy footer and at the Centricity CR workstations, shows the operator how much the exposure dose deviates from the nominal value for the given exam. If the Dose Monitoring software has been toggled on, images will feature a green dose deviation bar. Should the image have been underexposed, the bar graph extends to the left and displays in blue. If the image has been overexposed, the bar graph extends to the right and is displayed in red.

Self-teaching expert program

The Centricity CR Dose Monitoring software derives the nominal values (or the target exposure dose) for each exam during a learning phase. Statistics are collected over the learning phase; for example, 50 exposures for each exam. When the sample is complete, the active dose monitoring status becomes operational and the bar indicator is switched on for routine dose monitoring.

Test Phantom

Spatial Test Object LDS/AGFA CR

The spatial test object consists of a lead measuring rod, 4 lead labels and 2 funk rasters. It is supplied together with a base plate.

Furniture

Dimensions

400 x 330 x 9.5 mm

33 x 45 x 55 in. (W x D x H)

Weight

Test object: 1170 g

Base plate: 1140 g

Incorporated funk raster type 53

(0.05 mm Pb)

Funk Raster – Type 53

This stand and rack can hold a workstation and come in a U.S. and French version.

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Functions	Basic QC	QC	IPD
Selector Mode			•
Filter pane			•
List view pane (= result of a query = worklist)			•
Thumbnail pane (= pictorial view			•
Navigation pane (= favorite query			•
Viewer Mode		•	•
Navigation palette (select: study, patient, image)		•	•
Format palette		•	•
"One" single large image view		•	•
"2 or 4" image view		•	•
Sequential view		•	•
Image processing palette		•	•
Window/level	•	•	•
Undo window/level	•	•	•
Show histogram		•	•
Basic Image Processing settings (select processing parameters from a different exam type)	•	•	•
Advanced Image Processing settings (interactive image proc., changing MUSICA parameters, selection of Sensitometric curves)		•	•
Invert		•	•
Saturation		•	•
Burn		•	•
Collimation		•	•
Automatic Collimation		•	•
Collimation ON/OFF		•	•
Show collimation frame		•	•
Shutter (rectangular; circular		•	•
Extract rectangle		•	•
Transform palette		•	•
Flip/rotate	•	•	•
Zoom in/out	•	•	•
Zoom 100%	•	•	•
Magnifying glass		•	•
Roaming		•	•
Annotation			•
Distance measurement			•
Angle measurement			•
Line calibration			•
Circular calibration			•
Reset calibration			•
Line			•
Arrow			•
Rectangle			•

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Functions	Basic QC	QC	IPD
Circle			•
Polygon			•
Grid			•
Density Profile			•
Rectangular ROI			•
Circular ROI			•
Polygonal ROI			•
Free annotation text	•	•	•
Predefined annotation text			•
Image management		•	•
Configurable Demographics		•	•
Display study overview		•	•
Dialog boxes		•	•
Worklist			•
Process monitor (common function for selector and viewer; shows status of print, transmit, retrieve, etc.)	•		•
Finder			•
Study information	•	•	•
Save	•	•	•
Delete	•	•	•
Protect	•	•	•
Copy/Paste	•	•	•
Print		•	•
DICOM print on Agfa Printer	•	•	•
Support non-Agfa DICOM Printer		•	•
Quick print (re-print = using the same layout and destination as online)	•	•	•
Print of modified images (W/L, rotate, a.s.o.)	•	•	•
Support all and only old "ADC7xx" layouts		•	•
GUI (support drag and drop of images into sheets)		•	•
Changing layout and printing destination, sheet sizes a.s.o.		•	•
Handle multiple sheets (because of study oriented working)		•	•
Common and image specific text box		•	•
Quick Print		•	•
Viewing one image of one study		•	•
Viewing multiple images of one study		•	•
Viewing multiple studies		•	•
Hanging protocol (changing order of image in study)		•	•
Dual Monitor systems			•
Multi-lingual		•	•
On-line help function		•	•
Lock/hold/release		•	
Fast preview		•	
History list		•	



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