

iQ-VIEW / K-PACS

FEATURE COMPARISON

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Feature Differences between iQ-VIEW/PRO (3D) 2.5.0 and K-PACS 1.5.0

Feature	iQ-VIEW (3D)	iQ-VIEW PRO (3D)	K-PACS
System Requirements			
Supported Operating Systems	Windows 2000, Windows XP, Windows Vista	Windows 2000, Windows XP, Windows Vista	Windows 2000, Windows XP
High resolution support	Support of iQ-GRAFIX, all nVidia, ATI and Matrox graphics adapters	Support of iQ-GRAFIX and all nVidia, ATI and Matrox graphics adapters	No support for high end graphics adapters
Viewer			
Image Processing	Windowing, color remapping, measurements, zoom/pan, magnifier, flip/rotate, tiling, scoutlines, synchronization, virtual bind mode, etc.	Windowing, color remapping, measurements, zoom/pan, magnifier, flip/rotate, tiling, scoutlines, synchronization, virtual bind mode, etc.	Windowing, color remapping, measurements, zoom/pan, magnifier, flip/rotate, tiling, scoutlines, synchronization, virtual bind mode, etc.
	Supported measurements: distance, angle, Cobb angle, ROI, round ROI, shutter, modify, delete Measurements can be printed and stored as secondary capture; images can be exported as BMP, JPEG, TIFF, RAW including measurements	Supported measurements: distance, angle, Cobb angle, ROI, round ROI, shutter, modify, delete Measurements can be printed and stored as secondary capture or in local database; images can be exported as BMP, JPEG, TIFF, RAW including measurements	Supported measurements: distance, angle, Cobb angle, ROI, round ROI, shutter, modify, delete
Annotation of images	Supported Annotations can be printed and stored as secondary capture; images can be exported as BMP, JPEG, TIFF, RAW including annotations	Supported Annotations can be printed and stored as secondary capture or in local database; images can be exported as BMP, JPEG, TIFF, RAW including annotations	Supported Annotations can not be printed or stored

Feature	iQ-VIEW (3D)	iQ-VIEW PRO (3D)	K-PACS
Viewer (cont.)			
Storing of measurements and annotations	Creation of secondary capture images to permanently store annotations and measurements / transfer back to PACS	Creation of secondary capture images to permanently store annotations and measurements / transfer back to PACS Storing annotations and measurements in local iQ-VIEW PRO database	Not supported
Multi-monitor support	Dual monitor/display supported	Dual monitor/display supported	Dual monitor/display supported
Stack mode / Cine mode	Both supported	Both supported	Both supported
Comparison of multiple studies	Supported	Supported	Supported
Automatic loading and automatic tiling of loaded studies	Support of both automatic loading and tiling	Support of both automatic loading and tiling	Only automatic loading is supported
Hanging Protocols	Not supported	Supported	Not supported
Creation of shortcuts for viewer actions	Supported	Supported	Not supported
Overlays	User customizable viewer overlay settings, e.g. name, comments, study data, etc.; opportunity to change size of text overlay in viewer	User customizable viewer overlay settings, e.g. name, comments, study data, etc.; opportunity to change size of text overlay in viewer	No customizable viewer overlay settings Opportunity to change size of text overlay in viewer
Customized text overlay	Available text overlay script for customization (OverlayMapping.script)	Available text overlay script for customization (OverlayMapping.script)	Not supported

Feature	iQ-VIEW (3D)	iQ-VIEW PRO (3D)	K-PACS
Viewer (cont.)			
Bitmap Overlay	Supported	Supported	Supported
Look-up tables	Supported	Supported	Supported
AVI export	Supported	Supported	Supported
Reports	Creation of short reports to add to a study Configuration of macros and text modules for standardized reports Display of structured reports	Creation of short reports to add to a study Configuration of macros and text modules for standardized reports Display of structured reports	No report module Display of structured reports is not supported
3D post-processing (3D/MPR/ MIP/SSD/VRT)	Multiplanar Reconstructions/ Surface Rendering/Maximum Intensity Projections/ Volume Rendering in iQ-3D add-on module	Multiplanar Reconstructions/ Surface Rendering/Maximum Intensity Projections/ Volume Rendering in iQ-3D add-on mod.	No 3D post-processing
Communication			
DICOM Query/Retrieve	Supported	Supported	Supported
DICOM Print Client	Support of DICOM grayscale print	Support of DICOM grayscale print	No DICOM PRINT
DICOM Worklist Client	No DICOM Worklist Client	Full DICOM Modality Worklist Client	No DICOM Worklist Client
DICOM Email	Supported	Supported	Supported
Support of JPEG and JPEG 2000 compression (DICOM email)	Supported	Supported	Only JPEG compression supported
HIS/RIS Interface	Interface to RIS applications, e.g. BDT/GDT/Accession number	Interface to RIS applications, e.g. BDT/GDT/Accession number	No RIS interface

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Import			
TWAIN interface (scanner, video capture, CR)	Full TWAIN module incl. individual settings Full VIDAR support	Full TWAIN module incl. individual settings Full VIDAR support	Full TWAIN module incl. individual settings No VIDAR support
CR interface	No CR interface	OREX direct CR interface	No CR interface
DirectShow® video capture interface	No such interface	DirectShow® capture interface iQ-CAPTURE	No such interface
Foot switch support	Not supported	Supported (iQ-CAPTURE hardware package)	Not supported
Drop box interface	Available	Available	Available
Image file import	Import of JPEG, BMP and TIFF images from CD/DVD, memory stick, directories	Import of JPEG, BMP and TIFF images from CD/DVD, memory stick, directories	Import of JPEG, BMP and TIFF images from CD/DVD, memory stick, directories
Patient CD import	Support of DICOM image import from CD/DVD, memory stick, file directories	Support of DICOM image import from CD/DVD, memory stick, file directories	Support of DICOM image import from CD/DVD, memory stick, file directories
Export			
Patient CDs	Creation of patient CDs; support for SR (structured report) display	Creation of patient CDs; support for SR (structured report) display	Creation of patient CD-ROMs; no SR (structured reports) support
Patient DVDs	Creation of patient DVDs; support for SR (structured report) display	Creation of patient DVDs; support for SR (structured report) display	Creation of patient DVDs supported; no support for (SR) structured report display

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Export (cont.)			
Lite Viewer for CDs/DVDs	iQ-LITE Viewer can be burned on patient CD/DVD; additionally HTML pages with JPEG images can be burned to view studies in a web browser (for Apple, Linux, Unix Users)	iQ-LITE Viewer can be burned on patient CD/DVD; additionally HTML pages with JPEG images can be burned to view studies in a web browser (for Apple, Linux, Unix Users)	K-PACS Lite Viewer can be burned on patient CD; no HTML pages with JPEG images
Windows Print	Supported for all Windows printers (PostScript is recommended)	Supported for all Windows printers (PostScript is recommended)	Supported for all Windows printers
Overlays and page header	Opportunity to change size of text overlay for print; possibility to add background to text overlay (for better readability); possible addition of institution name to page header	Opportunity to change size of text overlay for print; possibility to add background to text overlay (for better readability); possible addition of institution name to page header	Opportunity to change size of text overlay for print; possibility to add background to text overlay (for better readability); possible addition of institution name to page header
Image export to file	Export as BMP, JPEG, TIFF, RAW Including measurements, windowing, color remapping, annotations, etc.	Export as BMP, JPEG, TIFF, RAW Including measurements, windowing, color remapping, annotations, etc.	Export as BMP, JPEG, TIFF, RAW Including measurements, windowing, color remapping, annotations, etc.
Study Browser			
Study table	Yes	Yes	Yes
Thumbnail preview	Yes	Yes	Yes
Virtual patient root model	Yes	Yes	Yes

Feature	iQ-VIEW (3D)	iQ-VIEW PRO (3D)	K-PACS
Languages			
Multi-language support	German, English, Spanish, French, Portuguese (PT, BR), Italian, Finnish, Polish, Japanese, Russian, Serbian	German, English, Spanish, French, Portuguese (PT, BR), Italian, Finnish, Polish, Japanese, Russian, Serbian	German, English
Service & Support			
Technical support	Extensive user documentation (User manuals, Administration Guide)	Extensive user documentation (User manuals, Administration Guide)	Web forum only
Licensing			
Activation of software licenses	Activation key based on hardware fingerprint	Activation key based on hardware fingerprint	Not needed (freeware)
Certification			
Certification as a medical device	CE and FDA 510(k) certification For full professional use as a medical device	CE and FDA 510(k) certification For full professional use as a medical device	No certification For private and evaluation use only

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