

# iQ Viewing Solutions

FEATURE COMPARISON 2020

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## **1. INTRODUCTION**

IMAGE Information Systems has a number of different thick client and thin client viewers. They all have their specific use cases, advantages and disadvantages.

### **1.1 PURPOSE OF DOCUMENT**

This document gives an overview of all currently offered Viewing solutions and their main features, which makes it a great comparison tool for distributors and/or customers.

# SUMMARY Table

	iQ-4VIEW	iQ-FUSION	iQ-X	iQ-3DVIEW	iQ-WEB2GO	PORT-RAY (MED-TAB)	iQ-VIEW	iQ-VIEW PRO	iQ-VIEW 3D	iQ-VIEW PRO MAMMO
<b>Description</b>	Web Viewer for all browsers and OS	Web Viewer for all desktop browsers and OS	Web Viewer for IE	Web Viewer for 3D post-processing	Web viewer for Android, iOS	Diagnostic tablet with 2D viewer	DICOM viewer	Rad reading station	3D post-processing viewer	Mammo viewer
<b>Primary Target Group</b>	General, Ortho, Cardio, Rad, Telerad, Vet	Rad, Telerad, NM, Mammo	General, Ortho, Chiro, Telerad, Vet	Rad	Referring Physicians	Telerad	General, Ortho, Chiro, Vet	Rad, NM	Rad	Rad, Mammo
<b>Standard measurements</b>	✓	✓	✓	✓	-	✓	✓	✓	✓	✓
<b>Body part specific measurements</b>	✓✓✓	✓	-	-	-	-	✓	✓✓	✓	✓✓✓
<b>Center/ Window</b>	✓	✓	✓	✓	-	✓	✓	✓	✓	✓
<b>Cine Mode</b>	✓	✓	✓	✓	-	✓	✓	✓	✓	✓
<b>Annotations</b>	✓✓	✓✓	✓	✓	-	✓✓	✓✓	✓✓✓	✓✓	✓✓
<b>Color remapping for nuclear medicine</b>	✓	✓	✓	-	-	-	✓	✓	✓	-
<b>Creation/ Display of DICOM Structured Reports</b>	C/D	D	C/D	-	-	C/D	D	C/D	D	D
<b>Comparison of multiple studies</b>	✓	✓	✓	-	-	✓	✓	✓	✓	✓
<b>Scoutlines</b>	✓	✓	✓	✓	-	✓	✓	✓	✓	✓
<b>Series synchronization</b>	✓	✓	✓	✓	-	✓	✓	✓	✓	✓
<b>Image sharing</b>	✓	-	✓	-	-	-	✓	✓	✓	✓
<b>TWAIN scanner interface</b>	-	-	-	-	-	-	✓	✓	✓	✓
<b>CD/DVD burning</b>	✓	✓	✓	✓	-	-	✓✓✓	✓✓✓	✓✓✓	✓✓✓
<b>Multimonitor support</b>	✓*	✓*	✓*	✓*	-	-	✓**	✓**	✓***	✓****
<b>Hanging Protocols</b>	-	✓✓	-	-	-	-	-	✓	-	✓✓✓
<b>Creation / Display of DICOM Presentation States</b>	-	-	-	-	-	-	D	C/D	D	D
<b>Automatic previous study management</b>	-	-	-	-	-	-	-	✓✓✓	-	-
<b>MPR</b>	-	✓	-	✓	-	✓	-	-	✓	-
<b>CPR</b>	-	-	-	✓	-	-	-	-	-	-
<b>MIP</b>	-	-	-	✓	-	✓	-	-	✓	✓
<b>VRT</b>	-	-	-	✓	-	-	-	-	✓	-
<b>Device Support</b>	Google Chrome, Firefox, Safari and Internet Explorer on Portable or Desktop devices	Google Chrome, Firefox, Safari and Internet Explorer on Portable or Desktop devices	Internet Explorer ≥ 11 (32-bit only)	Google Chrome, Firefox, Safari and Internet Explorer on Portable or Desktop devices	iOS or Android based mobile, handheld device iOS, UMTS/3G	Diagnostic tablet MED-TAB	Windows ≥ 8	Windows ≥ 8	Windows ≥ 8	Windows ≥ 8

- ✓\* : Study browser on one monitor and viewer on 2<sup>nd</sup> display
- ✓\*\* : Study browser on one monitor and viewer on 2<sup>nd</sup> and 3<sup>rd</sup> display
- ✓\*\*\* : Study browser on one monitor, iQ-VIEW viewer on 2<sup>nd</sup> and 3<sup>rd</sup> display, iQ-3D on 4<sup>th</sup> display
- ✓\*\*\*\* : Study browser on one monitor, iQ-VIEW viewer on 2<sup>nd</sup> and 3<sup>rd</sup> display, iQ-MAMMO on 4<sup>th</sup> and 5<sup>th</sup> display

## Thick Client Viewers

	iQ-VIEW	iQ-VIEW PRO	iQ-VIEW 3D	iQ-VIEW PRO MAMMO
<b>Description</b>	Multimodality reading station	Multimodality reading station	3D post-processing viewer	Mammography viewer
<b>Primary Target Group</b>	Orthopedists, Chiropractors, Veterinarians	Radiologists, Nuclear Medicine Specialists	Radiologists	Radiologists, Mammography
<b>Standard measurements incl. distance, angle, ROI, etc.</b>	✓	✓	✓	✓
<b>Body part specific measurements</b>	Cobb angle, ratio, hip dysplasia angle	Cobb angle, perpendicular distance, ratio, point to line distance, interior angle, hip dysplasia angle	Cobb angle, ratio, hip dysplasia angle	CC/MLO correlation, MG/US correlation Automatic nipple height alignment; Automatic skin detection for sole breast tissue inversion; Subtraction of contralateral images of the same view position
<b>Center/ Window</b>	✓	✓	✓	✓
<b>Cine Mode</b>	✓	✓	✓	✓
<b>Annotations</b>	Can be stored in secondary capture images	Can be stored in secondary capture images or DICOM presentation states	Can be stored in secondary capture images	Can be stored in secondary capture images
<b>Color remapping for nuclear medicine</b>	Standard	... options for nuclear medicine	✓	-
<b>DICOM Structured Reports</b>	Display only	Creation and display	Display only	Display only
<b>Comparison of multiple studies</b>	✓	✓	✓	✓
<b>Scoutlines</b>	✓	✓	✓	✓
<b>Series synchronization</b>	✓	✓	✓	✓
<b>Image sharing</b>	DICOM Email	DICOM Email	DICOM Email	DICOM Email
<b>TWAIN scanner interface</b>	✓	✓	✓	✓
<b>CD burning</b>	iQ-LITE included	iQ-LITE included	iQ-LITE included	iQ-LITE included

	iQ-VIEW	iQ-VIEW PRO	iQ-VIEW 3D	iQ-VIEW PRO MAMMO
<b>Multimonitor support</b>	Study browser on one monitor and viewer on 2nd and 3rd display	Study browser on one monitor and viewer on 2nd and 3rd display	Study browser on one monitor, iQ-VIEW viewer on 2nd and 3rd display, iQ-3D on 4th display	Study browser on one monitor, iQ-VIEW viewer on 2nd and 3rd display, iQ-MAMMO on 4th and 5th display
<b>Hanging Protocols</b>	-	✓	-	Semantic interoperability, harmonize the image display of various vendors (regardless of device model): Adjustment of View Position, Laterality, Inversion, sector view
<b>DICOM Presentation States</b>	-	✓	-	-
<b>Automatic previous study management</b>	-	✓	-	-
<b>MPR</b>	-	-	✓	-
<b>Other 3D Tools</b>	Integration with iQ-3D, Philips ISP or Siemens Syngo	Integration with iQ-3D, Philips ISP or Siemens Syngo	VRT, SSD, MIP/MinIP	Tomosynthesis MIP
<b>Device Support</b>	Windows ≥ 8	Windows ≥ 8	Windows ≥ 8	Windows ≥ 8

## Thin Client Viewers

	iQ-4VIEW	iQ-FUSION	iQ-X	iQ-3DVIEW	PORT-RAY (MED-TAB)	iQ-WEB2GO
<b>Description</b>	Online Viewer for all browsers and OS	Online Viewer for all browsers and OS	Online Viewer for IE	3D post-processing viewer	Diagnostic tablet with 2D viewer	Viewer for Android, iOS
<b>Primary Target Group</b>	Orthopedists, Cardiologists, Radiologists, Teleradiologists, Veterinarians	Radiologists, Teleradiologists, Nuclear Medicine, Mammography	Orthopedists, Chiropractors, Teleradiologists, Veterinarians	Radiologists	Teleradiologists	Orthopedists, Chiropractors, Teleradiologists, Veterinarians
<b>Standard measurements incl. distance, angle, ROI, etc.</b>	✓	✓	✓	✓	✓	-
<b>Body part specific measurements</b>	Spine labeling, Cobb angle, cervical/lumbar curve, George's line, ratio, hip dysplasia angle, Gonstead analysis, volume measurements, LVEF, VTA, mitral regurgitation; veterinary: TTA, TPLO, VHS	Cobb angle, VTI, SUV	-	-	-	-
<b>Center/ Window</b>	✓	✓	✓	✓	✓	-
<b>Cine Mode</b>	✓	✓	✓	✓	✓	-
<b>Annotations</b>	Can be stored in secondary capture images	Can be stored as Key Objects	Can be added but not stored	Can be added but not stored	Can be stored as Key Objects	-
<b>Color remapping for nuclear medicine</b>	Standard	... options for nuclear medicine	Standard	-	-	-
<b>DICOM Structured Reports</b>	Creation and display	Display	Display included; optional report editor for creation	-	Display included; optional report editor for creation	Display
<b>Comparison of multiple studies</b>	✓	✓	✓		✓	-

	iQ-4VIEW	iQ-FUSION	iQ-X	iQ-3DVIEW	PORT-RAY (MED-TAB)	iQ-WEB2GO
<b>Scoutlines</b>	✓	✓	✓	✓	✓	-
<b>Series synchronization</b>	✓	✓	✓	✓	✓	-
<b>Image sharing</b>	WADO links/QR codes option	-	WADO links/QR codes option	-	-	-
<b>TWAIN scanner interface</b>	-	-	-	-	-	-
<b>CD burning</b>	Via iQ-WEB, using optional iQ-LITE viewer	Via iQ-WEB, using optional iQ-LITE viewer	Via iQ-WEB, using optional iQ-LITE viewer	Via iQ-WEB, using optional iQ-LITE viewer	-	-
<b>Multimonitor support</b>	Study browser on one monitor and viewer on 2 <sup>nd</sup> display	Study browser on one monitor and viewer on 2 <sup>nd</sup> display	Study browser on one monitor and viewer on 2 <sup>nd</sup> display	Study browser on one monitor and viewer on 2 <sup>nd</sup> display	-	-
<b>Hanging Protocols</b>	-	✓	-	-	-	-
<b>DICOM Presentation States</b>	-	-	-	-	-	-
<b>Automatic previous study management</b>	-	-	-	-	-	-
<b>MPR</b>	-	✓	-	MPR + CPR	✓	-
<b>Other 3D Tools</b>	Integration with iQ-3DVIEW, iQ-FUSION or Philips ISP	Fusion	Integration with iQ-3DVIEW, iQ-FUSION or Philips ISP	Virtual Colonoscopy, VRT	-	-
<b>Device Support</b>	Google Chrome, Firefox, Safari and Internet Explorer on Portable or Desktop devices	Google Chrome, Firefox, Safari and Internet Explorer on Portable or Desktop devices	Internet Explorer ≥ 11 (32-bit only)	Google Chrome, Firefox, Safari and Internet Explorer on Portable or Desktop devices	Diagnostic tablet MEDTAB	iOS or Android based mobile, handheld device iOS, UMTS/3G

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