

# iQ Viewing Solutions

FEATURE COMPARISON 2022

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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 <sup>1</sup>	iQ-WEB2GO	PORT-RAY (MED-TAB)	iQ-VIEW	iQ-VIEW PRO	iQ-VIEW 3D	iQ-VIEW PRO MAMMO
Description	Web Viewer for all browsers and OS	Web Viewer for all desktop browsers and OS	Web Viewer for IE	Web viewer for Android, iOS	Diagnostic tablet with 2D viewer	DICOM viewer	Rad reading station	3D post-processing viewer	Mammo viewer
Primary Target Group	General, Ortho, Cardio, Rad, Telerad, Vet	Rad, Telerad, NM, Mammo	General, Ortho, Chiro, Tele-rad, Vet	Referring Physicians	Telerad	General, Ortho, Chiro, Vet, scan/print/import station	Rad, NM	Rad	Mammo
Standard measurements	✓	✓	✓	-	✓	✓	✓	✓	✓
Specific measurements	✓✓✓	✓	-	-	-	✓✓	✓✓	✓	✓✓✓
Center/ Window	✓	✓	✓	-	✓	✓	✓	✓	✓
Cine Mode	✓	✓	✓	-	✓	✓	✓	✓	✓
Annotations	✓✓	✓✓	✓	-	✓✓	✓✓	✓✓✓	✓✓	✓✓
Color remapping for nuclear medicine	✓	✓	✓	-	-	✓	✓	✓	-
Creation/ Display of DICOM Structured Reports	C/D	D	C/D	D	C/D	C/D	C/D	C/D	C/D
Comparison of multiple studies	✓	✓	✓	-	✓	✓	✓	✓	✓
Scoutlines	✓	✓	✓	-	✓	✓	✓	✓	✓
Series synchronization	✓	✓	✓	-	✓	✓	✓	✓	✓
Image sharing	✓	-	✓	-	-	✓	✓	✓	✓
TWAIN scanner interface	-	-	-	-	-	✓	✓	✓	✓
CD/DVD burning	✓	✓	✓	-	-	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Multimonitor support	✓*	✓*	✓*	-	-	✓**	✓**	✓***	✓****
Hanging Protocols	-	✓✓	-	-	-	-	✓	-	✓✓✓
Creation / Display of DICOM Presentation States	-	-	-	-	-	D	C/D	D	D
Automatic previous study management	-	-	-	-	-	-	✓✓✓	-	-
MPR	-	✓	-	-	✓	-	-	✓	-
MIP	-	✓	-	-	✓	-	-	-	✓
VRT, Cropping	-	-	-	-	-	-	-	✓	-
Device Support	Google Chrome, Firefox, Safari and Internet Explorer on Portable or Desktop devices	Google Chrome, Firefox, Safari and Internet Explorer on Portable or Desktop devices	Edge (64 bit) or Internet Explorer ≥ 11 (32 bit)	iOS or Android based mobile, handheld device. iOS, UMTS/3G	Diagnostic tablet MED-TAB, iOS or Windows	Windows ≥ 8	Windows ≥ 8	Windows ≥ 8	Windows ≥ 8

\* : Typically study browser and viewer on same or another display

\*\* : Study browser on one display and viewer on same, 2<sup>nd</sup> and/or 3<sup>rd</sup> display

\*\*\* : Study browser on one display and viewer on same, 2<sup>nd</sup> and/or 3<sup>rd</sup> display, iQ-3D on 4<sup>th</sup> display

\*\*\*\* : Typically, study browser on one display, iQ-MAMMO on 2<sup>th</sup> and 3<sup>th</sup> mammography display >= 3 megapixel each, 1-2 optional displays for iQ-VIEW PRO and/or 1 optional display for iQ-3D

1 : iQ-X must not be sold in the European Union.

## 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</b>	Distance, ratio, square ROI, circular ROI, ellipse ROI	Distance, ratio, square ROI, circular ROI, ellipse ROI	Distance, ratio, square ROI, circular ROI, ellipse ROI	Distance, ratio, square ROI, circular ROI, ellipse ROI,
<b>Specific measurements</b>	<p><b>Ortho/ chiro/ trauma:</b> Perpendicular distance, point-to-line distance, angle, Cobb angle, interior angle, hip dysplasia angle, 3D measurement</p> <p><b>Veterinary:</b> Norberg Angle / Hip Dysplasia Angle</p>	<p><b>Ortho/ chiro/ trauma:</b> Cobb angle, perpendicular distance, ratio, point to line distance, interior angle, hip dysplasia angle</p>	<p><b>Ortho/ chiro/ trauma:</b> Cobb angle, ratio, hip dysplasia angle</p>	<p><b>Mammography:</b> CC/MLO correlation, MG/US correlation Automatic nipple height alignment; Automatic skin detection for sole breast tissue inversion; Subtraction of contra-lateral images of the same view position</p>
<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>	Creation and display	Creation and display	Creation and display	Creation and display
<b>Comparison of multiple studies</b>	✓	✓	✓	✓
<b>Scoutlines</b>	✓	✓	✓	✓

	iQ-VIEW	iQ-VIEW PRO	iQ-VIEW 3D	iQ-VIEW PRO MAMMO
<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
<b>Multimonitor support</b>	Study browser on one monitor and viewer on 2 <sup>nd</sup> and 3 <sup>rd</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
<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, Cropping, Clipping	Tomosynthesis MIP available with TOMO license option
<b>Device Support</b>	Windows ≥ 8	Windows ≥ 8	Windows ≥ 8	Windows ≥ 8

## Thin Client Viewers

	iQ-4VIEW	iQ-FUSION	iQ-X <sup>1</sup>	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	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	Teleradiologists	Orthopedists, Chiropractors, Teleradiologists, Veterinarians
<b>Standard measurements</b>	Distance, ratio, square ROI, circular ROI, ellipse ROI	Distance, ratio, square ROI, circular ROI, ellipse ROI	Distance, square ROI, circular ROI, ellipse ROI	Distance, ratio, square ROI, circular ROI, ellipse ROI	-
<b>Specific measurements</b>	<b>Ortho / chiro/ trauma:</b> Spine labeling, Cobb angle, cervical/lumbar curve, George's line, hip dysplasia angle, Gonstead analysis, volume measurements, <b>Cardio/ vascular:</b> LVEF, VTA, mitral regurgitation; <b>Veterinary:</b> TTA, TPLO, VHS, Norberg angle (hip dysplasia angle)	<b>Ortho / chiro/ trauma:</b> Cobb angle, VTI, TPA - flatfoot measurement <b>Oncological:</b> SUV <b>Veterinary:</b> CTR (cardio thoracic ratio)	-	-	-
<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 as Key Objects	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	-	-

	iQ-4VIEW	iQ-FUSION	iQ-X <sup>1</sup>	PORT-RAY (MED-TAB)	iQ-WEB2GO
<b>DICOM Structured Reports</b>	Creation and display	Display included	Display included; optional report editor for creation	Display included; optional report editor for creation	Display
<b>Comparison of multiple studies</b>	✓	✓	✓	✓	-
<b>Scoutlines</b>	✓	✓	✓	✓	-
<b>Series synchronization</b>	✓	✓	✓	✓	-
<b>Image sharing</b>	WADO links/QR codes option	Copy active image into clipboard	WADO links/QR codes option	Diagnostic sharing with other PORT-RAY users	-
<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	-	-
<b>Multimonitor support</b>	Study browser on one monitor and viewer on same or 2 <sup>nd</sup> display	Study browser on one monitor and viewer on same or 2 <sup>nd</sup> display	Study browser on one monitor and viewer on same or 2 <sup>nd</sup> display	-	-
<b>Hanging Protocols</b>	-	✓	-	-	-
<b>DICOM Presentation States</b>	-	-	-	-	-
<b>Automatic previous study management</b>	-	-	-	-	-
<b>MPR</b>	-	✓	-	✓	-

	<b>iQ-4VIEW</b>	<b>iQ-FUSION</b>	<b>iQ-X<sup>1</sup></b>	<b>PORT-RAY (MED-TAB)</b>	<b>iQ-WEB2GO</b>
<b>Other 3D Tools</b>	Integration with iQ-FUSION or Philips ISP	Fusion, MIP, VRT	Integration with iQ-FUSION or Philips ISP	-	-
<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)	Diagnostic tablet MED-TAB	iOS or Android based mobile, handheld device iOS, UMTS/3G

1: iQ-X must not be sold in the European Union.  
We reserve the right to find errors in this document.



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