iQ Viewing Solutions

FEATURE COMPARISON 2024

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[1]	iQ-WEB2GO	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	DICOM viewer	Radiology reading station	3D post-processing viewer	Mammo viewer
Primary Target Group	General, Ortho, Cardio, Rad, Telerad, Vet	Rad, Telerad, NM, Mammo	General, Ortho, Chiro, Telerad, Vet	Referring Physicians	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
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 and Safari on portable or desktop devices	Google Chrome, Firefox and Safari on portable or desktop devices	Edge (64 bit) or Internet Explorer ≥ 11 (32 bit)	iOS or Android based mobile, handheld device. iOS, UMTS / 3G	Windows ≥ 10	Windows ≥ 10	Windows ≥ 10	Windows ≥ 10

* : Typically study browser and viewer on same or another display
** : Study browser on one display and viewer on same, 2nd and/or 3rd display
*** : Study browser on one display and viewer on same, 2nd and/or 3rd display, iQ-3D on 4th display
**** : Typically, study browser on one display, iQ-MAMMO on 2th and 3th 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
Description	Multimodality reading station	Multimodality reading station	3D post-processing viewer	Mammography viewer
Primary Target Group	Orthopedists, Chiropractors, Veterinarians	Radiologists, Nuclear Medicine Specialists	Radiologists	Radiologists, Mammography
Standard measurements	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,
Specific measurements	**Ortho / chiro / trauma:** Angle, cobb angle, hip dysplasia angle, 3D measurement **Veterinary:** Norberg angle (hip dysplasia angle)	**Ortho / chiro / trauma:** Cobb angle, perpendicular distance, ratio, point to line distance, interior angle, hip dysplasia angle **Veterinary:** TT-TG (via copy measurement)	**Ortho / chiro / trauma:** Cobb angle, ratio, hip dysplasia angle	**Mammography:** 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
Center / Window	✓	✓	✓	✓
Cine Mode	✓	✓	✓	✓
Annotations	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
Color remapping for nuclear medicine	Standard	… options for nuclear medicine	✓	–
DICOM Structured Reports	Creation and display	Creation and display	Creation and display	Creation and display
Comparison of multiple studies	✓	✓	✓	✓
Scoutlines	✓	✓	✓	✓

	iQ-VIEW	iQ-VIEW PRO	iQ-VIEW 3D	iQ-VIEW PRO MAMMO
Series synchronization	✓	✓	✓	✓
Image sharing	DICOM Email	DICOM Email	DICOM Email	DICOM Email
TWAIN scanner interface	✓	✓	✓	✓
CD burning	iQ-LITE included	iQ-LITE included	iQ-LITE included	iQ-LITE included
Multimonitor support	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
Hanging Protocols	-	✓	-	Semantic interoperability, harmonize the image display of various vendors (regardless of device model): Adjustment of view position, Laterality, Inversion, sector view
DICOM Presentation States	-	✓	-	-
Automatic previous study management	-	✓	-	-
MPR	-	-	✓	-
Other 3D Tools	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
Device Support	Windows ≥ 10	Windows ≥ 10	Windows ≥ 10	Windows ≥ 10

Thin Client Viewers

	iQ-4VIEW	iQ-FUSION	iQ-X[1]	iQ-WEB2GO
Description	Online Viewer for all browsers and OS	Online Viewer for all browsers and OS	Online Viewer for IE	Viewer for Android, iOS
Primary Target Group	Orthopedists, Cardiologists, Radiologists, Teleradiologists, Veterinarians	Radiologists, Teleradiologists, Nuclear Medicine, Mammography	Orthopedists, Chiropractors, Teleradiologists, Veterinarians	Orthopedists, Chiropractors, Teleradiologists, Veterinarians
Standard measurements	Distance, ratio, square ROI, circular ROI, ellipse ROI	Distance, ratio, square ROI, circular ROI, ellipse ROI	Distance, square ROI, circular ROI, ellipse ROI	-
Specific measurements	**Ortho / chiro / trauma:** Spine labeling, Cobb angle, cervical / lumbar curve, George's line, hip dysplasia angle, Gonstead analysis, volume measurements, **Cardio / vascular:** LVEF, VTA, mitral regurgitation; **Veterinary:** TTA, TPLO, VHS, Norberg angle (hip dysplasia angle)	**Ortho / chiro / trauma:** Cobb angle, VTI, TPA - flatfoot measurement, height difference **Oncological:** SUV, Time intensity Curve **Cardio / vascular:** CTR (cardio thoracic ratio) **Veterinary:** TT-TG (Goniometry)	-	-
Center / Window	✓	✓	✓	-
Cine Mode	✓	✓	✓	-
Annotations	Can be stored in secondary capture images	Can be stored in secondary capture images or as Key Objects	Can be added but not stored	-
Color remapping for nuclear medicine	Standard	… options for nuclear medicine	Standard	-

	iQ-4VIEW	iQ-FUSION	iQ-X[1]	iQ-WEB2GO
DICOM Structured Reports	Creation and display	Display included	Display included; optional report editor for creation	Display
Comparison of multiple studies	✓	✓	✓	-
Scoutlines	✓	✓	✓	-
Series synchronization	✓	✓	✓	-
Image sharing	WADO links / QR codes option	Copy active image into clipboard	WADO links / QR codes option	-
TWAIN scanner interface	-	-	-	-
CD burning	Via iQ-WEB, using optional iQ-LITE viewer	Via iQ-WEB, using optional iQ-LITE viewer	Via iQ-WEB, using optional iQ-LITE viewer	-
Multimonitor support	Study browser on one monitor and viewer on same or 2nd display	Study browser on one monitor and viewer on same or 2nd + 3rd display	Study browser on one monitor and viewer on same or 2nd display	-
Hanging Protocols	-	✓	-	-
DICOM Presentation States	-	-	-	-
Automatic previous study management	-	-	-	-
MPR	-	✓	-	-
Other 3D Tools	Integration with iQ-FUSION or Philips ISP	Fusion, MIP, VRT, digital subtraction, Integration with AI4CMR	Integration with iQ-FUSION or Philips ISP	-

	iQ-4VIEW	iQ-FUSION	iQ-X¹	iQ-WEB2GO
Device Support	Google Chrome, Firefox and Safari on portable or desktop devices	Google Chrome, Firefox and Safari on portable or desktop devices	Edge (64 bit) or Internet Explorer ≥ 11 (32 bit)	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.