



VIEW

A SHORT TUTORIAL

*AS EASY AS
1, 2, 3*



VERSION 2.8

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INTRODUCTION

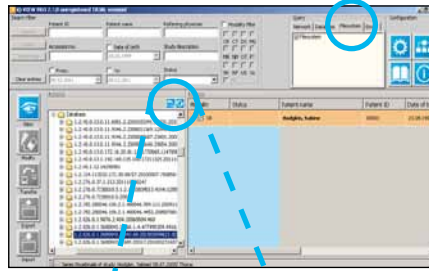
iQ-VIEW is a DICOM 3.0 compliant software application for viewing and processing medical image data. With the help of this software, data from every DICOM 3.0 compliant modality but also from other sources like email, CD or DVD can be queried, retrieved and imported. iQ-VIEW is a powerful reading and acquisition station, which includes many useful features.

This short tutorial will explain some of the most commonly used features and demonstrate how to apply them in just a few simple steps. For a comprehensive overview on iQ-VIEW and its usage, we recommend the User Manual.

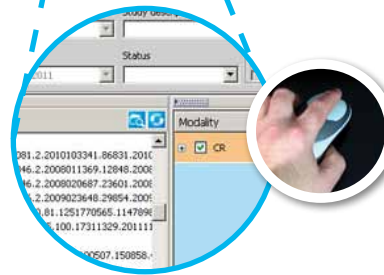


IMPORT OF DICOM CD

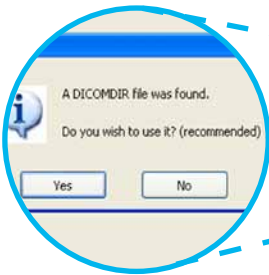
You can import DICOM studies from your CD/DVD into the local image box. The same procedure would apply when importing DICOM studies from a hard disk, another computer on a network or a memory stick.



To import DICOM CDs, insert the CD into your computer, select the "file-system" tab and select the drive with your CD.



Afterwards you can either *right-click* on the drive and choose the "scan folder" option, or click on the "scan folder" button directly.



If applicable, you will be asked whether to use a found DICOMDIR or not - note that using a DICOMDIR is faster but can also be less reliable due to possibly missing study information in that directory file.



All DICOM studies found on the CD will be listed.

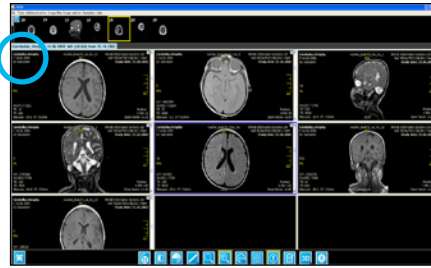
Select the studies you wish to import into the local imagebox by pressing the "View" button.



The images are automatically displayed in the viewer during the importing procedure.

COMPARING IMAGES

By comparing images or whole series of one or several patients you can get an idea of the dimension of structural changes. All image processing functions (e.g. measurements) of the toolbar can be applied to any of the images.



Select all studies you wish to compare either by pressing CTRL while selecting them or by marking the checkboxes of those studies. Afterwards click the "View" button to load them into the viewer.



Use the screen tiling function on series level to divide the image processing area into different views.



Click the "+" button on the top right to open the second preview bar.



The second thumbnail bar will be opened and all series thumbnails of the second study will appear.



Add the series of the second study to the image processing by dragging and dropping the thumbnail image into the right view.

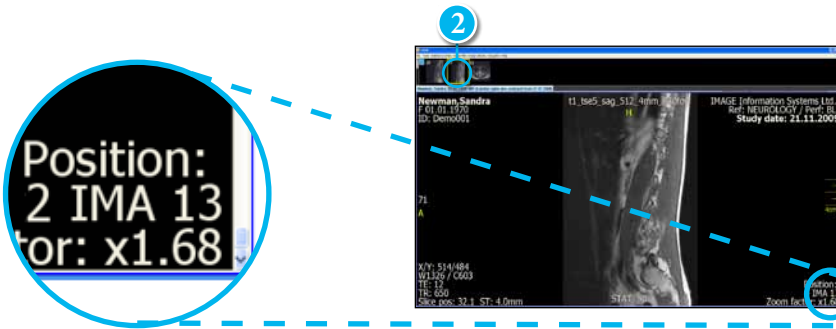
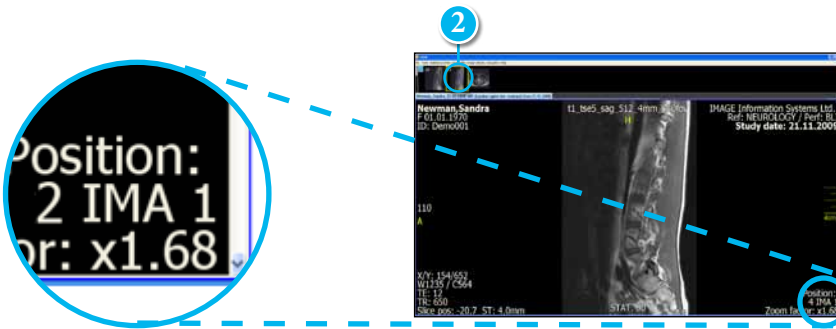
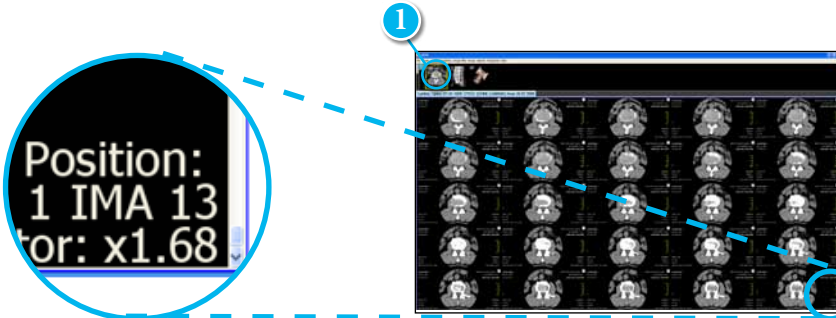
BIND MODE

The "Bind" mode allows you to scroll through series without switching from one view to the next, e.g. to easily browse through brainstem and brain tissue as if they were one series or browse as shown through all series of a lumbar spine MRI.

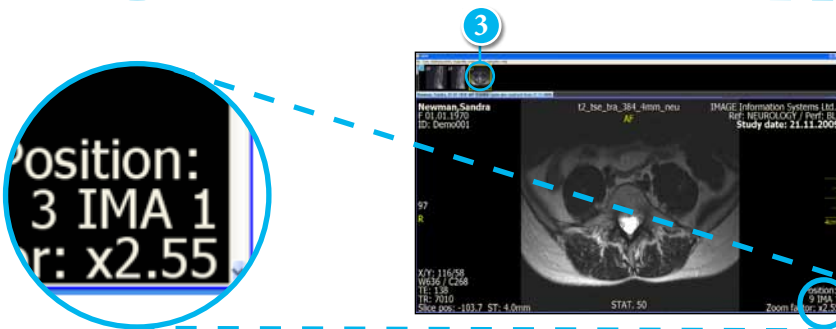
Load the study into the viewer and select "Bind" in the left hand toolbar.



After scrolling through the first stack of images, the next series will automatically follow.



All currently loaded series of one study are virtually bound together in one view.

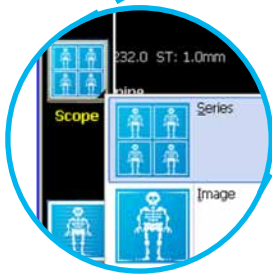


SCOPE MODE

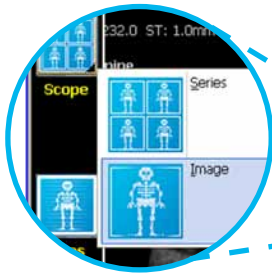
With the "Scope" (or viewport) function you can select whether changes made to an image, e.g. windowing, zoom/pan, flip/rotate, etc., shall be applied only to the current image or the whole series.



When selecting scope on series level ...



... all changes to windowing, zoom/pan, flip/rotate, etc. are applied to all images within the same series.



When selecting scope on image level ...



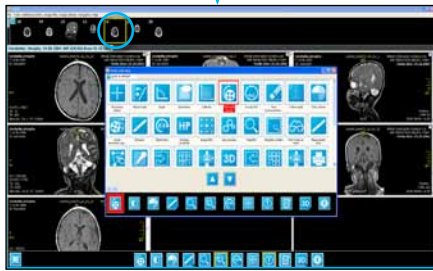
... all changes to windowing, zoom/pan, flip/rotate, etc. are applied to the selected image only.

SECONDARY CAPTURE

A secondary capture image permanently stores the image with all changes that have been made to it.



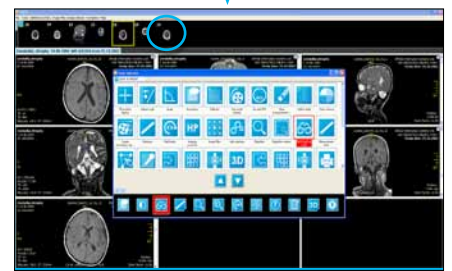
A secondary capture image contains the DICOM image with information regarding zooming, rotating, measurements or annotations.



This secondary capture image shows the zoomed-in DICOM image.



This secondary capture image shows the zoomed and annotated DICOM image.



This secondary capture image shows the new windowing of the DICOM image.

PRESENTATION STATES

Presentation States (PR) are independent DICOM objects containing information on how an image should be displayed.

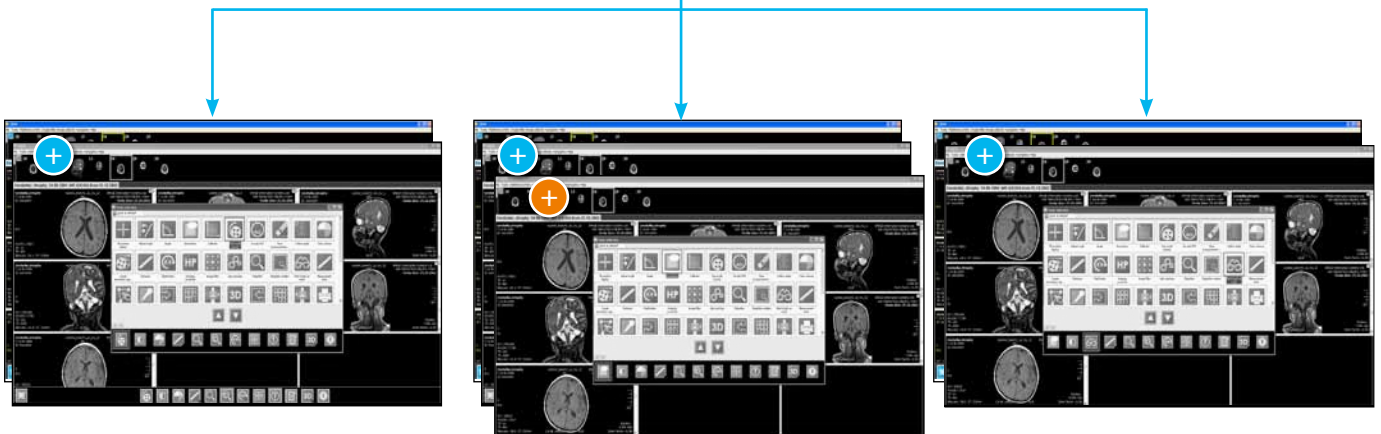
PR can only be used in combination with an existing DICOM image.

The PR displays visual specifications only, therefore the pixel data of the DICOM image is not modified but rather displayed differently.

The PR may for example contain measurements, windowing, rotation and zooming information, but it does not contain pixel data.

PR objects can only be saved with the iQ-VIEW PRO version.

When storing PR, it is possible to store all changes that have been applied or specific changes only.



This PR contains the zooming information of the DICOM image.

This PR contains the zooming and annotation information of the DICOM image.

This PR contains the windowing information of the DICOM image.

CONFIGURING BUTTONS FOR THE BOTTOM TOOLBAR

To easily access your most important image processing functions with just one click, you may configure your own toolbar as shown.



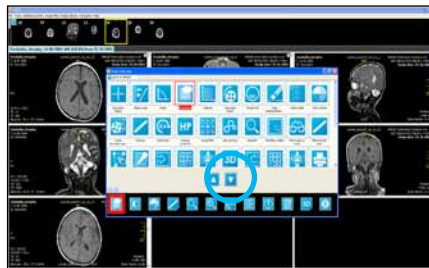
The "Tools selection" of the viewer can be opened by:

1. a right mouseclick into an empty area of the toolbar or
2. going to "Additional settings" and selecting "Tools selection" or
3. using a defined shortcut.

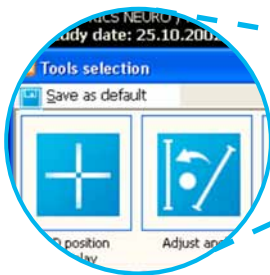
It is possible to either configure one default, workstation-based toolbar or to create modality-dependent toolbars using general hanging protocols (the latter only in iQ-VIEW PRO; for further information please refer to the User Manual).



All available tools will be listed in the dialog.



By pressing the arrow down button, the new tool selection will replace the button of the current toolbar that is marked.



Make as many changes to the 12 buttons as you wish. Save all changes by pressing the button "Save as default" in the top left corner of the window.



After clicking on "Save as default", the new toolbar is displayed each time the viewer is opened.

SYNC - SYNCHRONIZING DIFFERENT SERIES

"Sync" synchronizes different series at the current position, even if the images of those series are made of differently thick layers. Activating the button will synchronize all series displayed in the image processing area.



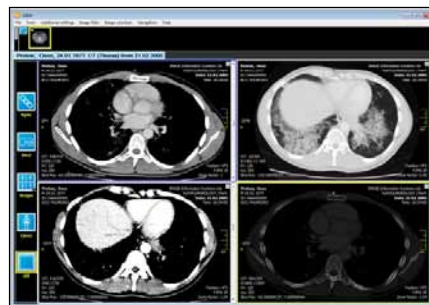
To turn on the synchronizing mode simply click the "Sync" button located at the top of the side toolbar.



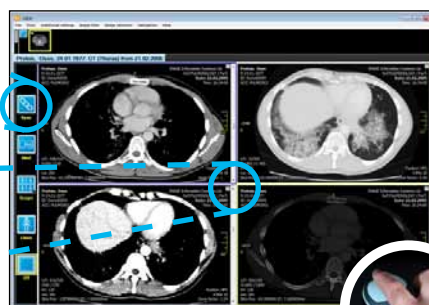
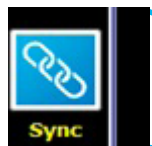
Use the mouse wheel to scroll through the synchronized series.

The synchronization of different series is also possible by selecting other views besides the activated one (blue frame).

Activating the "Sync" button on the left side toolbar is not necessary.



To synchronize individual series click into the view you wish to include in the synchronization while holding the [CTRL] key pressed. A yellow frame will be displayed around the view(s).



Afterwards click into the activated tile (blue frame) and use your mouse to scroll through the series (blue and yellow frames).

OUR COMPANY AT A GLANCE

IMAGE Information Systems is a British-German company group that offers complete, easy-to-use and affordable solutions for the most demanding customers in the field of medical imaging.

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We have pioneered several innovations to the market: We are the first worldwide PACS vendor to introduce true 12 bit grayscale display technology for a visibly better quality of CR, DR and CT studies. We are the world's first provider of a fully automatic nuclear heart reconstruction. Our DICOMReader has the highest available read-in rate of patient CD-ROMs ensuring virtually full compatibility with almost all available imaging modalities and vendors.

IMAGE Information Systems provides the 2nd largest digital imaging user forum on earth with more than 25,000 registered users.

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How to ensure permanent access to your PACS

Available technologies in remote diagnostics

