

Read and write Koala bin data using ImageJ

Download software

ImageJ : <http://wsr.imagej.net/distros/win/ij150-win-jre6.zip>

Plugin : <http://www.lynceetec.com/wp-content/uploads/2016/04/ImageJPlugins.zip>

Unzip the plugin and copy directories (Input-Output and LynceeTec) to the plugin directory of ImageJ (InstallPath/ImageJ/Plugins). Some files will be overwritten.

Read binaries files

Open a single binary file :

- Drag and drop the file to ImageJ main bar
- Open the file using ImageJ menu File/Open
- Data is opened as a ImageJ image

Open a folder that contains binary files :

- Drag and drop the folder to ImageJ main bar
- Data are opened as a ImageJ stack

Open simultaneously phase and intensity files :

- ImageJ menu : Plugins/Lynceetec/KoalaSequenceReader
Select the folder that contains both Phase and Intensity folder
- Data are opened as a ImageJ hyperstack

Write Binaries files

- Go to File/Save As/Koala Binaries
- Both single image, stack and hyper stack can be saved using this method

Save Stack as Animated GIF or movie

- Open a stack and
- Use the ImageJ Save As function : File/Save As

Make a dynamic profile cut

- Open a stack
- Draw a line on the first image
- Start the plugin Plot Stack in the menu : Plugins/LynceeTec/Plot Stack
- The dynamic plot is opened in a new stack