

Read and write Koala bin data using ImageJ

Download softwares

ImageJ : <https://imagej.nih.gov/ij/download.html>

Plugin : <https://www.lynceetec.com/types/downloads/>

Unzip the plugin and copy the file “LynceeTec_ForIJ-0.1.0.jar” to the plugin directory of ImageJ (InstallPath/ImageJ/Plugins).

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/Write Koala Bin files
- 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/Gif...

Make a dynamic profile cut

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