

Spinning Disk – Instructions and Help

Start the system

- If you do not need epifluorescence, switch off the UV lamp BEFORE starting the system!
- Turn on two main switches and **start Zyla camera** (switch is on its back side) even you do not need it
- Switch the computer to finish the start-up

Login

Windows: use your network account (ASUCH/your name) and your password

OR: Administrator (NIS\PC) with no password

NIS: use your personal account (if you need one, ask Honza P., Katka M. (l. 435) or Nemanja)

OR user = Admin; password = nis

FOR GUESTS use user = guest; password = nis

Always Start NIS in the “**Multi-camera mode**” with both camera drivers on.

Focusing Levels

You don't need to search for the level of focus any more! Follow values on the front display:

1800 μm for chambered coverslips (*komůrky*)

1600 μm for standard slides with cover slips

for small Petri dished

Saving your data

- Preferable: save your data direct on your P: drive (possible for people from ASUCH domain) or on Imaging facility Disc Station (<\\ds-ueb-if.ueb.cas.cz/home>) (see instructions how to map DS)
- If this is not possible save your data on C:\\users**DATA**\\your name (You can reach these data via <\\nis\users\data\your> name (NIS PC has to be on))
- Please **do not** save your data on C:\\users\\your name any more (due to difficult back up)

Troubleshooting

- Before scanning fluorescence in red channel turn off the light in the room!!!

Getting a black image, no signal:

- Is the slider changing cameras in the correct position? (OUT for iXon / IN for Zyla)
- Is any laser on? If yes, did you activate at least one laser BEFORE starting the NIS software? Is the key on the Laser box are on?
- Check histogram (LUTs): are sliders on each side of your graph?
- Check Exposure time: isn't it too short?
- Using Zyla, is has got an independent switch on the back. Is the camera ON?
- Using Zyla, are configurations for Zyla with purple dots and for iXon with green dots? If not REFRESH configurations: click right mouse button over any configuration (e.g. Zyla GREEN (488)), choose “Edit”, click “Import”, in C:/Users open file “Configurations – Refresh”, click “Close”. Now, configurations for one camera should be with green dots, for another with purple dots.
- Is the key on the Yokogawa unit ON? In the CSU panel where SD rotation (rpm) is indicated, switch the CSU button OFF and ON again.

Turn off the system: Shut down the computer; turn off both main switches and Zyla. Enjoy!