

Andor **Dragonfly**

ON procedure

1. Laser: Key in front to ON position
2. Box on top of laser to ON
3. Zyla camera (on top) ON
4. iXon camera (in the back) ON
5. Scan head ON
6. Microscope control box ON
7. Stage controller ON (backside)
8. PC ON
9. Open FUSION software
10. Fluorescent light source ON and OFF when needed

OFF procedure

1. Close FUSION software
2. Laser: Key in front to OFF position
3. Box on top of laser to OFF
4. Zyla camera (on top) OFF
5. iXon camera (in the back) OFF
6. Scan head OFF
7. Microscope control box OFF
8. Stage controller OFF (backside)
9. Check that fluorescent light source is OFF
10. Switch off PC.

BIOMIC-server (contact Torstein Ravnskog for access):

\\klient.uib.no\felles\mofa\biomic

Login: uib\UiB-username

Password: UiB-password

Objective	Magnification/ NA	Immersion	Working distance (mm)
CFI Plan Achromat Lambda	10x / 0.45	Air	4.0
CFI Plan Achromat Lambda	20x / 0.75	Air	1.0
CFI Plan Fluor Multi-Immersion	20x / 0.75	Imm (water/glyc/oil)	0.33 (W) / 0.34 (G) / 0.35 (O)
CFI Plan Achromat Lambda S LWD	40x / 1.14	Water	0.59
CFI Plan Achromat Lambda	60X / 1.40	Oil	0.14
CFI SR HP Apo TIRF	100x / 1.49	Oil	0.12

Field of view (FOV) with zoom optics (um)	1x	1.5x	2x
10x	1234.9	823.3	617.4
20x	617.4	411.6	308.7
40x	308.7	205.8	154.4
60x	205.8	137.2	102.9
100x	123.5	82.3	61.7

iXon camera (1024x1024)	Pixel size (nm) with zoom optics		
	1x	1.5x	2x
10x NA0.45 CFI Plan Apochromat Lambda	1206	804	603
20x NA0.75 CFI Plan Apochromat Lambda	603	402	301
20x NA0.75 CFI Plan Fluor Multimmersion	603	402	301
40x NA1.14 CFI Plan Apochromat Lambda S LWD	300	200	150
60x NA1.40 CFI Plan Apochromat Lambda	206	137	103
100x NA1.49 CFI SR HP Apo TIRF	121	80	60

Zyla camera (2048x2048)	Pixel size (nm) with zoom optics		
	1x	1.5x	2x
10x NA0.45 CFI Plan Apochromat Lambda	603	402	301
20x NA0.75 CFI Plan Apochromat Lambda	301	201	151
20x NA0.75 CFI Plan Fluor Multimmersion	301	201	151
40x NA1.14 CFI Plan Apochromat Lambda S LWD	151	101	75
60x NA1.40 CFI Plan Apochromat Lambda	103	69	51
100x NA1.49 CFI SR HP Apo TIRF	60	40	30