

# Specifications Solamere Spinning disk confocal / fluorescence microscope

STAND: Leica DMIRE2 inverted microscope

## OBJECTIVES

- HC PL APO CS 10x/0,30 dry WD 11 mm.
- HC PL APO CS 20x/0,70 oil glyc WD 0,17mm -0,26mm
- HCX PL APO CS 40x/1,25 oil WD 0,1mm
- HCX PL APO 63x/1,3 glycerin WD 0,1mm

## EXCITATION LINES

- Ar 457nm, 476nm, 488nm, 514nm 140 mW max.
- Kr 568nm, 647nm 90 mW max

## FLUORESCENCE FILTERS (wide field)

- Leica filter A (DAPI)
- Leica Filter N2.1 (TRITC)
- Leica filter I3 (FITC)

## DETECTION

- Yokogawa Confocal Scanner Unit CSU10
- Stanford Photonics XR/Mega-10 I (intensified) -CCD camera
- 1024x1024 pixels Pixel size 6.45 um square
- baseline frame rate 30FPS full frame/ 90FPS 4x4 binning
- Andor iXON DV885 EMCCD camera for wide field imaging
- 1024x1024 pixels max Pixel size 8 um square
- baseline frame rate 9.5 FPS full frame/ 35.1 FPS 4x4 binning

## STAGE / INCUBATION

- Temp, CO2 controlled environment
- Stage computer controlled

## SOFTWARE

- InVivo acquisition software confocal mode. Incl. Timelapse, 3D, position based recording
- Andor IQ acquisition wide field mode, Incl. Timelapse, Posotion, channels etc

