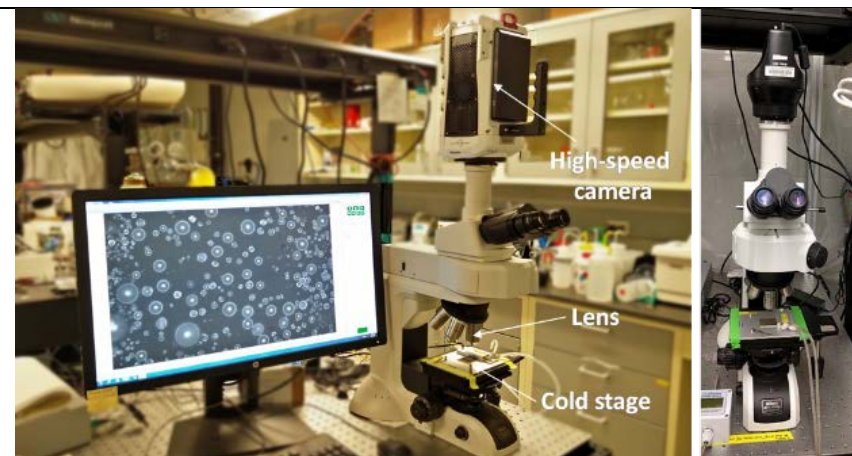


9. Optical Microscope

- Nikon Eclipse LV100
- Objectives
 - TU Plan Fluor EPI 5x, 10x, 20x
 - TU Plan EPI ELWD 50x, 100x
 - TU Plan Apo EPI 150x
- Cold/Heat stage: Linkam T95-PE
 - Temperature range: -25°C to 120°C
 - Cooling/Heating rate: upto 20°C/min
- Phantom v711 high speed camera and Nikon DS-Qi2 monochrome microscope camera can be attached.



High speed camera: Vision Research Phantom v711

- Max speed 7530 fps at full resolution of 1280 x 800 pixel
- Max speed 685,800 fps at reduced resolution of 128 x 8 pixel
- Minimum exposure of 1 μ sec

Monochrome microscope camera: Nikon DS-Qi2

- Full-pixel 4908x3264 pixel (max 6fps)
- 3x3 pixel averaging 1636x1088 (max 45fps)
- Exposure time: 100 μ s to 60 sec

