

Delta Vision Widefield

Location: EEJMRB Room 5100



Hardware:

- Customized Olympus IX73 microscope base w/ TruLight Illuminator
- Olympus X-line PlanApo Objectives 4x, 10x, 20x Dry and 60x Oil
- Ultimate Focus laser-based autofocus system
- Custom XYZ Stage 106mm x 70mm x 7mm
- sCMOS Camera 2040 x 2040 pixels
- 7-channel solid state illuminator
- DIC Transmitted Light Imaging
- Environmental Chamber

Primary applications:

- 2D and 3D Multi-Channel Fluorescence Imaging
- 3D Restorative Deconvolution
- Time-Lapse Imaging
- Multipoint Imaging

Objectives:

Objective	Magnification	Immersion	Numerical Aperture	Correction Ring	Coverslip (mm)	Working Distance (mm)
UPlanXApo	4	Air	0.16			13
UPlanXApo	10	Air	0.4		0.17	3.1
UPlanXApo	20	Air	0.8		0.17	0.6
UPlanXApo	40	Oil	1.4		0.17	0.12
UPlanXApo	60	Oil	1.42		0.17	0.15

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