

DELTAVISION OMX

INSTRUMENT SPECIFICATION SHEET



BIOLOGICAL
OPTICAL
MICROSCOPY
PLATFORM

Location	Room 144 (inside 133A), Advanced Microscopy Facility, Bio21 Institute				
Stand	Inverted, custom built, Applied Precision				
Illumination	Fluorescence (for conventional illumination)				
	Lumencor LED Illumination (405, 445, 488, 514, 568 & 642nm)				
Filters	Name	Emission			
	DAPI	BP 436/31			
	CFP	BP 478/35			
	488	BP 528/48			
	YFP	BP 541/22			
	A568	BP 609/37			
	CY5	BP 683/40			
Lasers (hazard:3B)	Type	Wavelength		Maximum output	
	Vortran Strados	405 nm		100 mW	
	Omicron LUXx	458 nm		100 mW	
	Coherent Sapphire	488 nm		100 mW	
	Coherent Sapphire	514nm		100 mW	
	Coherent Sapphire	568 nm		100 mW	
	Vortran Strados	642 nm		110 mW	
Stage control	Motorised stage control with z-stack and point visiting capability				
Objectives Specification	Magnif.	Type	NA	Coverslip Thickness	Other info
3D-SIM	60 x	Oil	1.42	0.17	PLAN APO N, UIS 2 BFP1
TIRF	60 x	Oil	1.49	0.13 - 0.19	APO N, TIRF UIS2 BFP1
Detectors	#	Type	Details		
	4	sCMOS	PCO EDGE		
Software	Deltavision OMX (Acquisition), softWoRx 6.1.1 (Analysis)				
Holder	Slides, dishes & Chamber slides				
Applications	Super Resolution (3D-SIM, dSTORM, PALM), Widefield deconvolution				
File Saving	USB (FAT 32 formatted) or via network (Facility staff only)				