

# DELTAVISION OMX

## INSTRUMENT SPECIFICATION SHEET



BIOLOGICAL  
OPTICAL  
MICROSCOPY  
PLATFORM

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