



COLM Parts	Vendor	Part number
LASER engine	Omicron	SOLE -6: 405, 488, 515, 561, 594, 647 nm
Camera	Hamamatsu	Orca Flash 4.0 V2
Detection Objectives	Olympus	10X/0.6 and 25X/0.95 CLARITY
Illumination Objective s	Olympus	Macro 4X/ 0.28 NA (Qty=2)
XYZ -theta sample stage	Physik Instrumente	M-112K033 ; M-116.DG (Qty=3)
Sample chamber	Custom design	Custom design
Illumination Filter Wheels + Smart s hutter	Sutter	FG -LB10 -NWIQ (Qty=2)
Emission Filter Wheel	Sutter	FG -LB10 -W50
Galvo XY Scanners	Cambridge Tech	6215H XY mounted (Qty=2)
Tube lens	Thorlabs	ITL200 (Qty=3)
Scan lens	Sill Optics	S4LFT0061/065 (Qty=2)
Filters	Semrock	RazorEdge long pass and band pass filters
Sample holder cuvette	Starna Cells	Quartz cuvette
Sample holder adapter	Custom	Custom
FPGA	National Instruments	7852R , 7842R (Qty=2)
PXI express chassis	National Instruments	PXIe -1082
Serial card	National Instruments	8430/16
Objective piezos	Physik Instrumente	Hera stages P -622.1CD (Qty=3)

Summary of the control electronics framework and COLM parts. FPGA logic is used to control and synchronize various parts of the microscope.