

Materials List for:

Multimodal Volumetric Retinal Imaging by Oblique Scanning Laser Ophthalmoscopy (oSLO) and Optical Coherence Tomography (OCT)

Weiye Song^{*1}, Libo Zhou^{*1}, Ji Yi^{1,2}

¹Department of Medicine, Boston University School of Medicine

²Department of Biomedical Engineering, Boston University

*These authors contributed equally

Correspondence to: Ji Yi at jiyi@bu.edu

URL: <https://www.jove.com/video/57814>

DOI: [doi:10.3791/57814](https://doi.org/10.3791/57814)

Materials

Name	Company	Catalog Number	Comments
Supercontinuum Laser Source	NKT Photonics	SuperK EXTREME EXU-OCT6	
Dichroic Mirror (DM1)	Thorlabs	DMLP650R	
Dichroic Mirror (DM2)	Chroma	ZT514/1064rpc	
Dichroic Mirror (DM3)	Thorlabs	DMLP900R	
Single Mode Fiber (SMF 1)	Thorlabs	P3-460B-FC-2	
Single Mode Fiber (SMF 2)	Thorlabs	P3-780A-FC-2	
Optic Fiber Coupler	Thorlabs	TW850R5A2	
1:1 Telescope System	Thorlabs	AC254-100-A×2	
3:1 Telescope System	Thorlabs	AC254-150-A×2	
3:1 Telescope System	Thorlabs	AC254-50-A×2	
Galvo Mirrors (GM1,GM2)	Thorlabs	GVS201×2	
De-sacn Galvo Mirrors (GM3)	Thorlabs	GVS011	
Objective Lens	Olympus	UplanSApo 20×/0.75	
Final imaging system	Olympus	UplanFL N 10×/0.3	
Final imaging system	Computar	12-36mm/1:2.8	
Camera	PCO	Pco.pixelfly usb	
Filter	Thorlabs	FEL0800	
Mounted Continuously Variable ND Filter	Thorlabs	NDC-50C-4M-A	
Line Scan Camera	Thorlabs	SPL2048-140K	
Analog Output Board (AO1)	National Instrument	PCI-6731	
Analog Output Board (AO2)	National Instrument	PCIe-6351	
Long pass filter	Thorlabs	FEL0800	