

Materials List for:

Patterned Photostimulation with Digital Micromirror Devices to Investigate Dendritic Integration Across Branch Points

Conrad W. Liang^{*1}, Michael Mohammadi^{*1}, M. Daniel Santos¹, Cha-Min Tang¹

¹Department of Neurology, Baltimore VA Medical Center, University of Maryland School of Medicine

*These authors contributed equally

Correspondence to: Cha-Min Tang at ctang@som.umaryland.edu

URL: <https://www.jove.com/video/2003>

DOI: [doi:10.3791/2003](https://doi.org/10.3791/2003)

Materials

Name	Company	Catalog Number	Comments
Modern upright fluorescent microscope			
CCD camera and image acquisition software			
Computer and data acquisition/ interface system			
DLP Discovery Developer Kit			
ALP3 USB interface			
S2 + Optics w/LED			
Dual camera port unit			
355nm frequency tripled NdVO4 laser (~1 W)	DPSS Laser Inc.		
Laser shutter Model LS6	Uniblitz		
Multimode optical fiber and fiber stretcher Model# 915	Canadian Instrument and Research, Ltd		100 um core multimode fiber
Multimode Fiber launcher	Oz Optics		
Signal generator			up to 50 kHz
Beam collimator	Olympus Corporation	DApo20UV340	
UV relay lens	Special Optics	#: 54-25-60-355	