

Materials List for:

Transmission of Multiple Signals through an Optical Fiber Using Wavefront Shaping

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URL: <https://www.jove.com/video/55407>

DOI: [doi:10.3791/55407](https://doi.org/10.3791/55407)

Materials

Name	Company	Catalog Number	Comments
spatial light modulator	Holoeye	PLUTO-VIS-016	
CMOS camera	Mikrotron	MC4082	
diode-pumped solid state laser	Laser Quantum	torus 532	
CCD camera	IDS	U3-3482LE-M CMOS	camera; suitable as well
lens 1	Qioptiq	G063204000	
lens 2	Qioptiq	G063203000	
lens 3	Thorlabs	AC508-180-A-ML	
multimode fiber	Thorlabs	M14L02	
beam splitters	Thorlabs	BS013	9x
polarizing beam splitters	Thorlabs	PBS251	
mirrors	Thorlabs	PF10-03-P01	5x
microscope objectives	Thorlabs	RMS20X	2x
half wave plates	Thorlabs	WPH10M-532	2x
linear polarizer	Thorlabs	LPVISB050-MP2	
optical modulators	Thorlabs	MC2000B-EC	2x
linear and rotation stage for CMOS camera	Thorlabs	XYR1/M	
fiber connector	Thorlabs	S120-SMA	2x
reducing ring for microscope objectives	Qioptiq	G061621000	2x
xy adjustment for objective adapters	Qioptiq	G061025000	2x
z translation mount for fiber adapter	Thorlabs	SM1Z	2x
rods for fiber alignment to objectives	Qioptiq	G061210000	8x
mounts for lenses 1 and 2 plus two phantom mounts	Qioptiq	G061047000	4x
rail carriers for objective and lens mounts	Qioptiq	G061372000	6x
rail for rail carriers	Qioptiq	G061359000	2x
adapter for CCD camera to 1 post			in-house
adapter for laser to 4 posts			in-house
mount for lens 3	Thorlabs	LMR2/M	
mounts for half wave plates	Thorlabs	RSP1D/M	2
mounts for mirrors	Thorlabs	KM100	5x

mount for linear polarizer	Thorlabs	RSP05/M	
mounts for beam splitters and SLM	Thorlabs	KM100PM/M	11x
clamping arms for beam splitters and SLM	Thorlabs	PM4/M	11x
posts for mounts, rail carriers and adapters	Thorlabs	TR75/M	29x
holders for posts	Thorlabs	PH50/M	29x
pedestals for holders	Thorlabs	BE1/M	29x
clamping forks for pedestals	Thorlabs	CF125	29x