

Demonstration of Spin-Multiplexed and Direction-Multiplexed All-Dielectric Visible Metaholograms

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Materials

Name	Company	Catalog Number	Comments
Aceton	J.T. Baker	925402	
Beam splitter	Thorlabs	CCM1-BS013/M	
Chromium etchant	KMG	Cr-7	
Chromium evaporation source	Kurt J. Lesker	EVMCR35D	
Clamp	Thorlabs	CP175	
Conducting polymer	Showa denko	E-spacer	
Diode laser	Thorlabs	CPS635	
E-beam evaporation system	Korea Vacuum Tech	KVE-E4000	
E-beam resist	Microchem	495 PMMA A2	
Electron beam lithography	Elionix	ELS-7800	
Half-wave plate	Thorlabs	AHWP05M-600	
Inductively-coupled plasma reactive ion etching	DMS	-	
Iris	Thorlabs	SM1D12	
Isopropyl alcohol	J.T. Baker	909502	
Kinematic mirror mount	Thorlabs	KM100/M	
Lens	Thorlabs	LB1630	
Lens Mount	Thorlabs	LMR2/M	
Linear polarizer	Thorlabs	GTH5-A	
Mirror	Thorlabs	PF10-03-G01	
Neutral density filter	Thorlabs	NDC-50C-4	
Plasma enhanced chemical vapor deposition	BMR Technology	HiDep-SC	
Post	Thorlabs	TR75/M	
Post holder	Thorlabs	PH75E/M	
Quarter-wave plate	Thorlabs	AQWP10M-580	
Resist developer	Microchem	MIBK:IPA=1:3	
Rotational mount	Thorlabs	RSP1/M	

Scanning electron microscopy	Hitachi	Regulus8100	
XY translation mount	Thorlabs	XYF1/M	
1-inch adapter	Thorlabs	AD11F	
1-inch lens mount	Thorlabs	CP02/M	