

MagicHOLLO Optoelectronic Experiment Solution

Design different for U

Vector Optical Field Experimental System

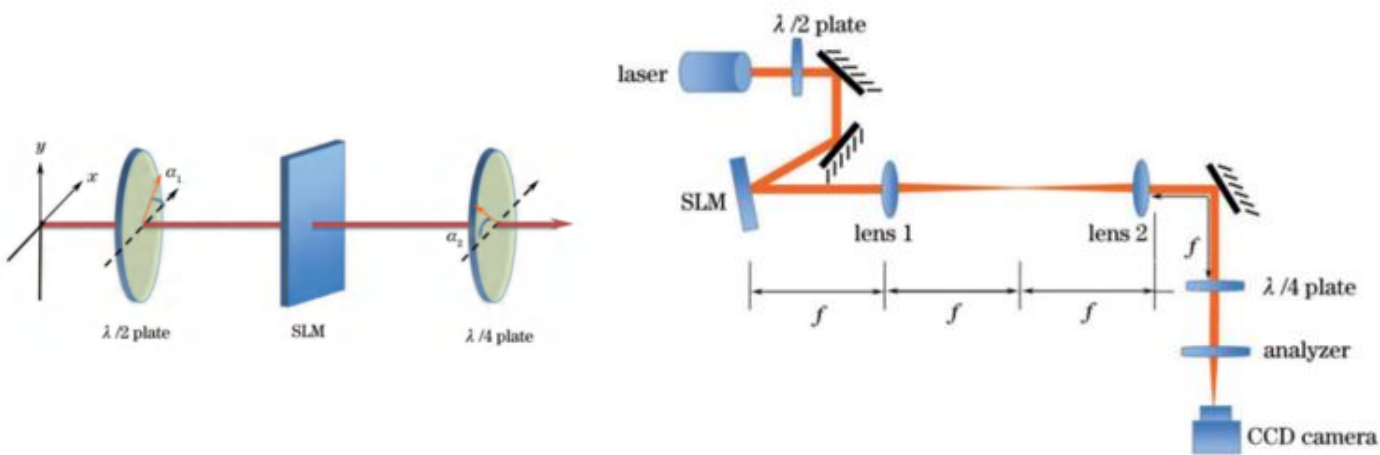
UPOLabs

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Overview

The polarization state of a vector beam is distributed on the beam cross-section in accordance to certain patterns. Build based on UPOLabs spatial light modulators, UPOLabs Vector Optical Field Experimental System supports your requirement for real-time manipulation on the polarization state and phase distribution of vector optical field.

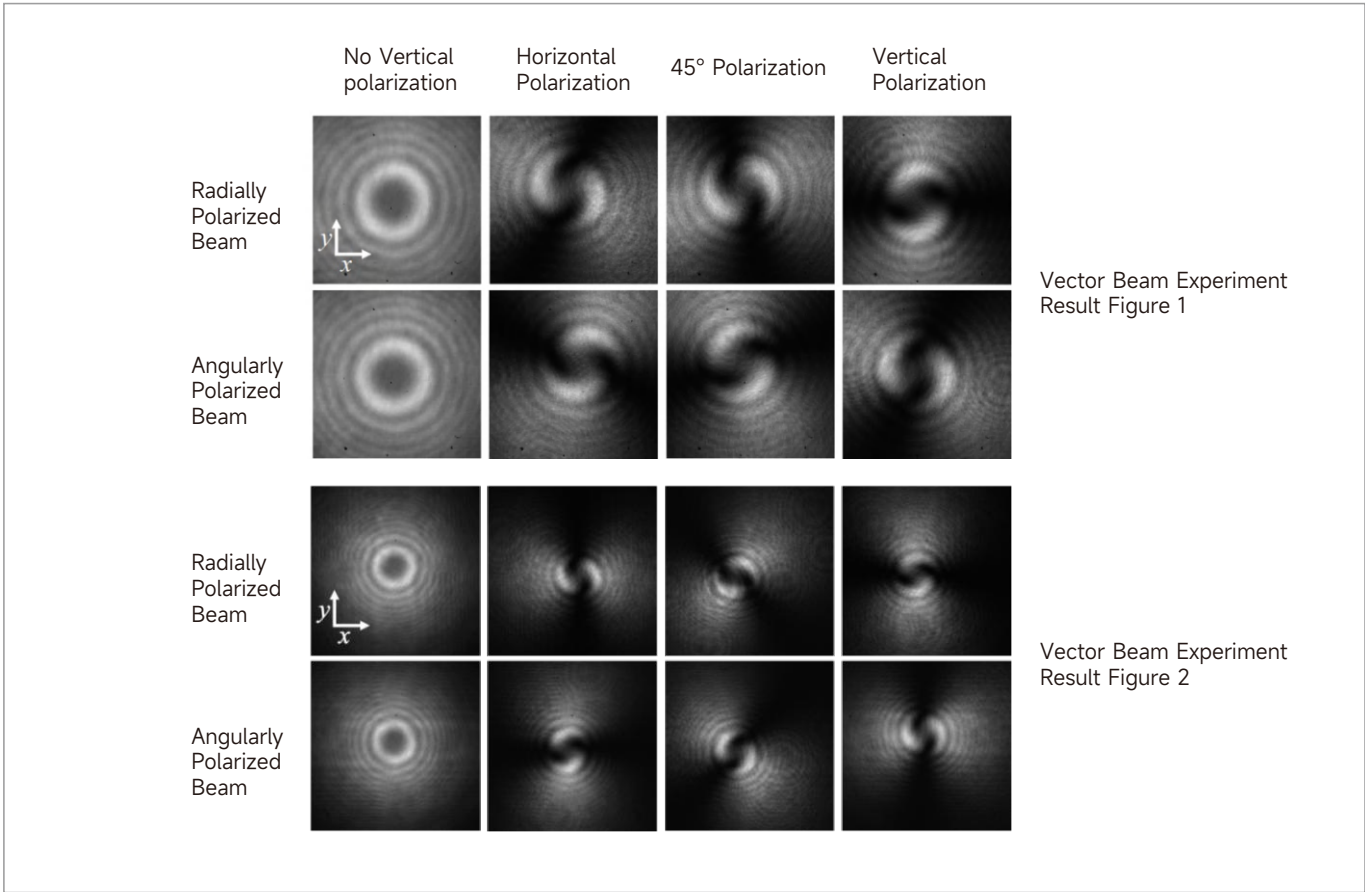


Typical Configuration

Specification Setup (Option 1)		
Category	Parameter	Quantity
Laser	Wavelength: 532 nm	1
Optical Attenuation Slice		1(Optional)
Wave Plate	$\lambda/4$	2
Beam Expander	Beam Expander	1
Spatial Light Modulator	HDSLM80R	1
Lens	f=20 cm	2
Polarizer		1
Optical Beam Profiler	CMOS Camera	1
Mirror holder & Adjustment Bracket		Depends

Specification Setup (Option 2)		
Category	Parameter	Quantity
Laser	Wavelength: 532 nm	1
Optical Attenuation Slice		1(Optional)
Wave Plate	$\lambda/4$ $\lambda/2$	2
Beam Expander	Beam Expander	1
Spatial Light Modulator	HDSLM80R	1
Lens	f=20 cm	2
Polarizer		1
Optical Beam Profiler	CMOS Camera	1
Mirror holder & Adjustment Bracket		Depends

Demo



Application

Vector beam and vector vortex beam are extensively used in fields including laser processing, super-resolution imaging, optical micro-manipulation, and optical communication.