

MagicHOLO Optoelectronic Experiment Solution

Design different for U

Vortex Beam Experimental System

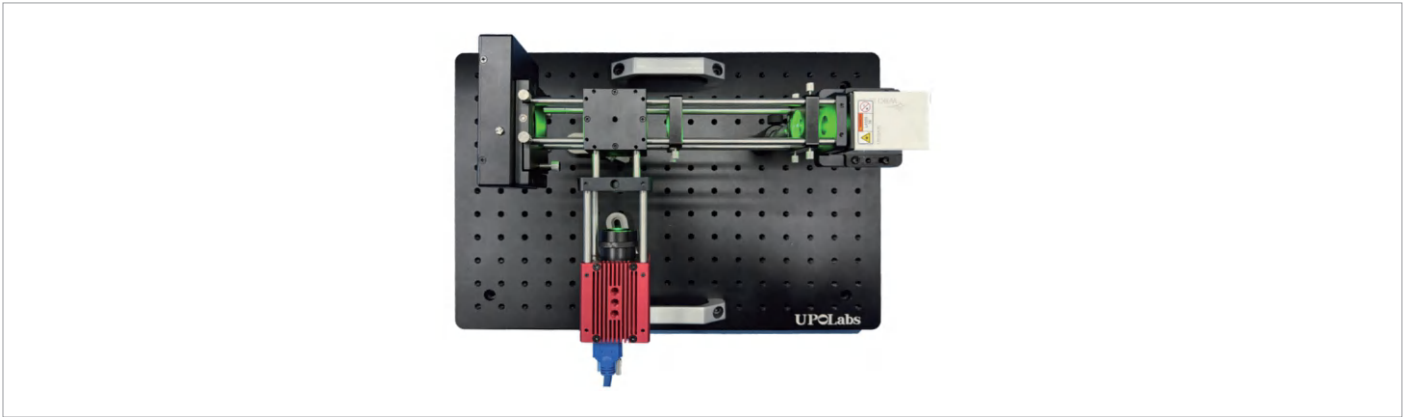
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Overview

Neither a plane nor a sphere, the wavefront of vortex beam is a vortex. This experimental system generates vortex beams through two methods: spiral phase plate and dislocation grating.



Vortex Beam Experimental System Product Photo

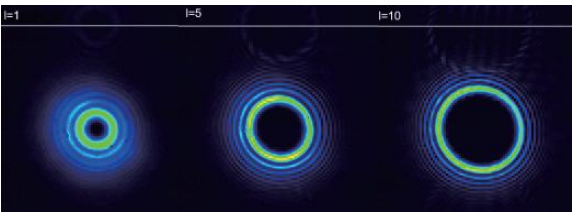
Typical Configuration

Magicholo-VL-80R	
Laser	Wavelength: 520 nm
Beam Profiler	Pixel Size: 3.45 μ m Active Area: 14 mm×10 mm Software Embedded Interface: USB3.0
Spatial Light Modulator	HDSLM80R
Spacial Filter	Adjusting Shaft: 3D Horizontal Regulation Pinhole: 10 μ m Objective Lens: 10X
Beam Expander	5X
Adjusting Mounts	Based on Requirements

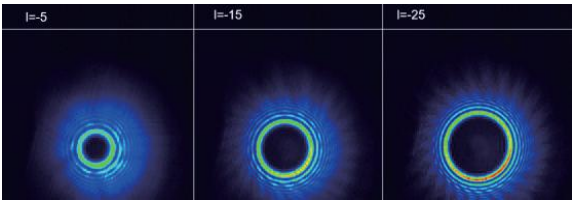
Regarding detailed introduction for the system configuration, please consult sales@realic.cn.

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DEMO



Vortex Beam generated by dislocation grating



Vortex Beam generated by VPP

Application

It is suitable for optical field control, optical communication, holographic optical tweezers, optical rotation and optical trapping. Customized development is available.