Z-polarizer

Custom-made

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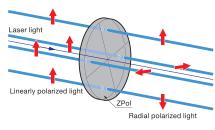
Prisms

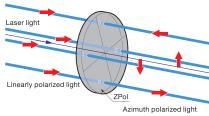
Substrates & Windows Holder & Vibration isolator Z-polarizer produces light polarization in the direction of its propagation. It enables you to obtain 3D measurement of molecules and crystal.

- Useful for various application such as laser scanning microscopy, tip-enhanced near-field microscopy, Raman microscopy, laser trapping, and laser processing.
- Z-polarizer is comprised of four-segment waveplate. That the orientation of the optical axis of each of the segmented waveplate is different, you can generate both radial polarization and azimuth polarization.
- In combination with condenser lens, Z-polarizer can produce a field of the light beam with a large electric field component in the z-direction (radial polarization). It can also produce azimuthal polarization by choice, a light collecting field that the z component of the electric field to zero.



Schematic





Specifications	
Material	Synthetic fused silica, fused quartz or quartz (below 350nm)
Diameter	φ25mm
Clear aperture	φ10mm
Incident angle	0°
Selectable wavelength range	200 – 2000nm
Center wavelength tolerance	±4% from center wavelength
Retardation	±0.05λ at center wavelength
Axis orientation accuracy	±2°

Guide

If you need a mount to hold the Z-polarizer, please contact our International Sales Division.

Attention

The condenser lens are not included for the Z-polarizer.

