

2.5mm CA, Corning® Varioptic® A-PE Series Variable Focus Liquid Lens Development Kit



Corning® Varioptic® A-PE Series Variable Focus Liquid Lenses



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£893^{.00}

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SPECIFICATIONS

General

Development Kit

Type:

Contents of Kit: Corning® Varioptic® A-PE-25HX-33 Lens USB-M Universal (with 4 and 6 pin connector and USB compatibility) USB-B to USB-A Cable Focuslab Software Control Software Documentation Package	
Model Number: A-PE-25HO-33	
Typical Applications: Compact optical systems such as barcode readers, industrial cameras, & medical imaging and biometrics systems	
Physical & Mechanical Properties	
Diameter (mm): 8.80 (packaged lens)	
Clear Aperture CA (mm): 2.5	
Thickness (mm): 2.80 (packaged lens)	
Optical Properties	
Coating: VS	
Focus Range (mm): -5 to +13 diopter	
Transmission (%): 97 @ 587nm	
Transmitted Wavefront Error, RMS: 30nm	
Environmental & Durability Factors	
Operating Temperature (°C): -30 to +85	
Storage Temperature (°C): -40 to +85	
Regulatory Compliance	
RoHS 2015: Compliant	
Reach 224: Compliant	
Certificate of Conformance: View	

PRODUCT DETAILS

- Combine a Liquid Lens with Dedicated, Calibrated Driver Board
 - Temperature Compensation and Response Time Optimization Features
 - Sweep Mode for Continuous Imaging while Lens is in Motion
 - [A-P Series Liquid Lenses](#) Also Available
- Corning® Varioptic® A-PE & V-PE Series Variable Focus Liquid Lenses feature a variable focus liquid lens with a dedicated, calibrated driver board for enhanced performance, temperature compensation, and response time optimization. The driver board enables advanced features including temperature compensation algorithms, response time optimization for optical power changes, and sweep mode which acquires clear images while the liquid lens is still in motion. The V-PE Series expands on this technology with an 8-electrode design, enabling independent control of spheres at ±24 diopters of power, cylinders at ±5 diopters of power, and axis for astigmatism correction without any moving parts, ensuring silent, reliable operation. Corning® Varioptic® A-PE & V-PE Series Variable Focus Liquid Lenses are ideal for use in barcode readers, industrial inspection, medical imaging, and biometrics applications and are fully compatible with the [AF Explorer Camera](#) for plug-and-play operation. Development kits include lenses, drive electronics, cables, software, and a dedicated drive board for ease of use and simplifying integration into OEM systems.