

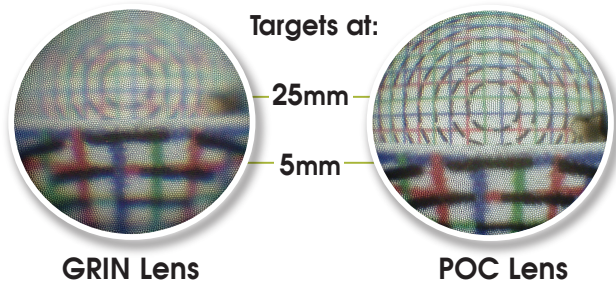
At Precision Optics, we are experienced with 3k, 6k, 10k, 17k, and 30k image bundles as well as glass and plastic illumination fiber. Combined with our micro optics capabilities, we are able to design, assemble, and manufacture Fiberscopes with or without illumination to sizes as small as 0.3mm O.D. Our fiber scopes and fiber optic assemblies can be used as a stand alone visualization system or can be integrated into a wide variety of devices and designs.



POC advantages

- Superior image quality compared to GRIN lenses
- Endoscope assemblies < 0.5 mm O.D.
- Semi-flexible:
 - fused silica fiber bundles
- Field-of-View as large as 120°+
- Greater Depth-of-Field:
 - 2-50 mm
 - 10-150 mm

Imaging through endoscope



Scope Fiber	
Coherent Fiber Bundle Pixel Count	Fiberscope Diameters Including Illumination
3K	0.5 mm
6K	1.0 mm
10 K	1.0 mm
17K	1.2 mm
30K	1.5 mm

Coherent Fiber Bundle Lens Designs					
POC Part Number	Lens Diameter	Clear Aperture Diameter	Lens Length	Field of View	Depth of Field
5262-750	0.37 mm	0.32 mm	1 mm	70°	3 mm-50 mm
5301-750	0.37 mm	0.32 mm	0.8 mm	90°	3 mm-50 mm
5262-751	0.57 mm	0.45 mm	1.4 mm	70°	3 mm-50 mm
5310-750	0.68 mm	0.58 mm	1.3 mm	100°	3 mm-50 mm
5262-752	0.83 mm	0.73 mm	1.6 mm	70°	3 mm-50 mm
5337-750	1.22 mm	0.80 mm	2.3 mm	95°	3 mm-50 mm

We carry select sizes of micro objectives as catalog items for convenient ordering.



Precision Optics Corporation Micro Fiber Endoscope Specifications Form

To begin the custom Micro Fiber Endoscope development process we will need the following information:

1. Coherent Fiber Bundle Lens Designs (Please check):

Item ✓	POC Part Number	Lens Diameter	Clear Aperture Diameter	Lens Length	Field of View	Depth of Field
☐	5262-750	0.37 mm	0.32 mm	1 mm	70°	3 mm-50 mm
☐	5301-750	0.37 mm	0.32 mm	0.8 mm	90°	3 mm-50 mm
☐	5262-751	0.57 mm	0.45 mm	1.4 mm	70°	3 mm-50 mm
☐	5310-750	0.68 mm	0.58 mm	1.3 mm	100°	3 mm-50 mm
☐	5262-752	0.83 mm	0.73 mm	1.6 mm	70°	3 mm-50 mm
☐	5337-750	1.22 mm	0.80 mm	2.3 mm	95°	3 mm-50 mm

2. Illumination Required: ☐ No ☐ Yes

3. Outside Diameter (O.D.):

- ☐ Yes, please specify _____
☐ No, POC specified

4. Length Requirement: Please specify _____

5. Field-of-View (F.O.V.):

- ☐ POC specified: 60° - 110°
☐ Other (please specify) _____

6. Object Distance (Depth-of-Field):

- ☐ POC specified: 5 - 150 mm
☐ Other (please specify) _____

7. Scope Fiber: (Please check)

Item ✓	Coherent Fiber Bundle Pixel Count	Fiberscope Diameters Including Illumination
☐	3K	0.5 mm
☐	6K	1.0 mm
☐	10K	1.0 mm
☐	17K	1.2 mm
☐	30K	1.5 mm

8. Your Contact Information: Name: _____

Company Name: _____

Phone: _____ E-mail: _____

IMPORTANT: After you fill out this form, you must SAVE it before emailing it back to POC

RETURN THIS FORM TO:
info@poci.com