

MICRO COUPLERS

Precision Optics Corporation is a leading provider of custom optical solutions for the medical device community. We design and manufacture micro lens systems with diameters as small as 370 microns and design and manufacture fiberscopes ranging in diameter from 0.5 mm - 2 mm. Magnification of the micro image can be accomplished with our 10k and 30k micro couplers which magnify the fiberscope image onto a standard C-mount camera. Our 10k micro coupler has 10X magnification and our 30k micro coupler has 4.6X.



Size: 56 mm length,
28 mm diameter

30k Micro Coupler

Part #8309-803 - 30k micro coupler for use with Fujikura 30k image fiber bundle. 30k lens provides image magnification of 4.6X



Size: 56 mm length,
28 mm diameter

10k Micro Coupler

Part #8301-810 - 10k micro coupler for use with Fujikura 3k, 6k and 10k image fiber bundle.

Precision Optics Corporation also provides 10k and 30k micro coupler lens cell assemblies for integration into a custom imaging system. Slightly more or less magnification may be achieved by varying the distance from lens to camera face in your design. POC can assist you in determining the optimal distances from the fiber bundle to the lens and from the lens to the camera.

POC provides focusable and fixed focus versions for a variety of applications. Sterilization methods can be designed to customer specifications.

Contact us at info@poci.com with your custom design requirements.



Size: 30 mm length,
10 mm diameter

Micro Coupler Lens Cell Assembly

Available with 4.6X or 10X magnification and with customizable mechanical interface for integration into larger imaging systems.