Precision Optics Corporation designs and manufactures components, sub-assemblies and entire endoscopes incorporating distal end CMOS cameras.

**Lens Cell for CMOS Camera**

**CMOS Camera Assembly including Lens Cell and Sensor**

**CMOS endoscope**

Precision Optics Corporation (POC) has over 30 years of experience in developing optical designs and producing lenses as small as 0.37 mm. Using our micro-lens capabilities, we have developed lenses for use with the world’s smallest CMOS sensors. Our typical CMOS lens offers a field of view of 110° and depth of field from 5 mm to 150 mm. Our CMOS lens designs use multi-element lens configurations to optimize optical performance in both glass and plastic versions.

We have the capability to design and produce the entire CMOS scope, including illumination, or sub-assemblies with a lens and sensor mounted into a mechanical housing. The CMOS lens cell assembly can also be purchased separately. Please see ordering information on back.

**The POC advantage:**

- Design and manufacture of micro optics.
- Design, prototyping, and manufacture “all under one roof.”
- Our staff of highly trained and qualified engineers and scientists stands ready to assist you.
- Made in the USA.
To begin the custom CMOS endoscope development process we will need the following information:

1. **Type of CMOS sensor:**
   - Omnivision OV6930, 1.8 X 1.8 mm, SA 160,000 pixels
   - Omnivision OV6946, 1 X 1 mm, SA 160,000 pixels
   - Fujikura 29k, .74 X .79 mm, SA 29,000 pixels
   - Other sensor (please specify)  

2. **Illumination Required:**
   - No
   - Yes: Fiber

3. **Outside Diameter (O.D.):**
   - Yes, please specify  
   - No, POC specified

4. **Length Requirement:**
   - Yes, please specify  
   - No, standard (Omnivision)

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. **Other requirements** (please specify)
   -  
   -  

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