

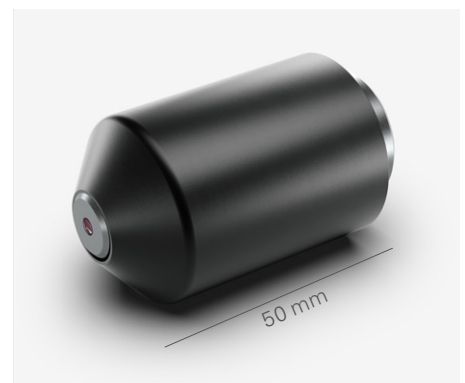
Imaging Optics

Optimized for sophisticated conditions

We design and manufacture customized solutions for your imaging optic demands.

Your Benefits

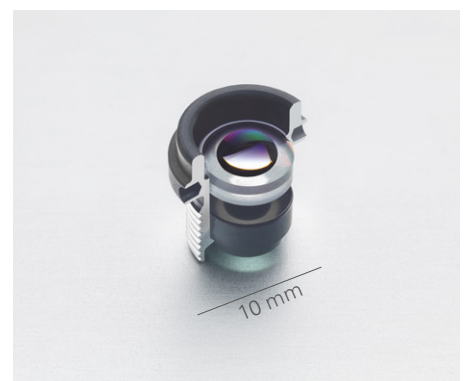
- **One partner:** From design to prototyping to serial production, entire process under one roof.
- **Customized to needs:** Expertise in opto-mechanical design and state-of-the-art manufacturing technologies in-house: Precision glass molding for advanced lens elements and **coating** capabilities (AR, beam splitters, filtercoatings).
- **Traceability:** Traceability down to single components upon request.



Imaging Optics for Microscopy

Technical Datas

- Broadband assemblies: VIS – SWIR
- F-number as low as 1.2
- Proven athermal designs for outdoor applications
- Compact and lightweight designs
- MTF measurements temperatures: -20 °C to +60 °C



Imaging Optics for a Helmet Camera



Applications

- Microscopy
- Industrial Image Processing
- Aerospace & Defense
- Medical Imaging

Imaging Optics

Example technical specifications

Parameters	Standard value
Low f#, i.e. large aperture, fast lens	f# 1.2
Color corrected wavelength range	400 – 1600 nm
Broad operational temperature range	-40 °C to +80 °C
Lightweight	< 500 g
Dichroic beam splitters with high transmission and reflection	>90 %
Low ghost images and scattered light	<10 ⁻⁴
Distortion corrected	Few percent
Wide field of view	~45 °

High MTF due to molded aspherical lenses

Customized designs available upon request