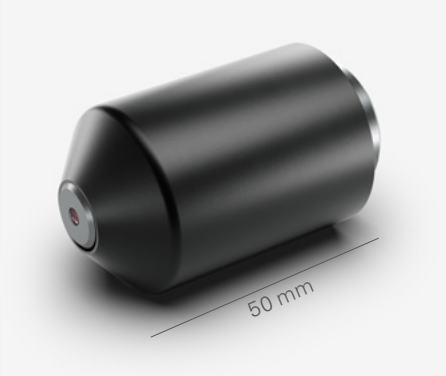
FISBA Innovators in Photonics

# Imaging Optics
# Optimized for highest performance

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

### Your Benefits

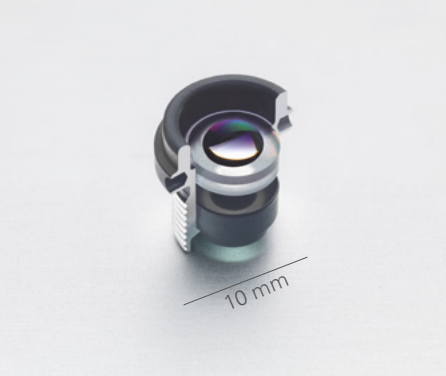
- **One partner**: From design to prototyping to serial production, entire process under one roof.
- **Customized to needs**: Expertise in opto-mechanical design and state-of-the-art manufacturing technologies in-house: Precision glass molding for advanced lens elements and **coating** capabilities (AR, beam splitters, filtercoatings).
- **Traceability**: Traceability down to single components upon request.
- **ISO13485 certificated:** Committed delivering optical systems with the highest reliability and quality meeting medical standards.



Imaging Optics for Microscopy

### Technical Data

- 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

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# 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

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