



Lenses and optical modules for the IR

Design, manufacturing and testing on customer's specifications.
Opto-electromechanical systems. Robust and environmentally resistant.



Benefits:

Lenses and opto-electromechanical modules are key elements in thermography and infrared technology. JENOPTIK is able to capitalize on a broad range of knowledge and many years of practical experience in developing, manufacturing and testing of custom-specific infrared optical modules. This integrated technology chain allows the optimal adjustment of the optical performance features concerning functionality, quality and flexibility of use.

Lenses and optical modules are designed to meet customer requirements in terms of:

- Spectral range
- Image field size
- Transmission

- Modulation transfer function (MTF)
- Mechanical and electrical interfaces
- Environmental requirements

Our infrared optical products are tested and gauged to your specifications in a real operating environment. The aim of thermomechanical qualification of lenses and optical modules is to achieve compliance with DIN ISO or MIL standard requirements.

Applications:

- Thermography
- Image acquisition and target recognition
- Security and defence technology

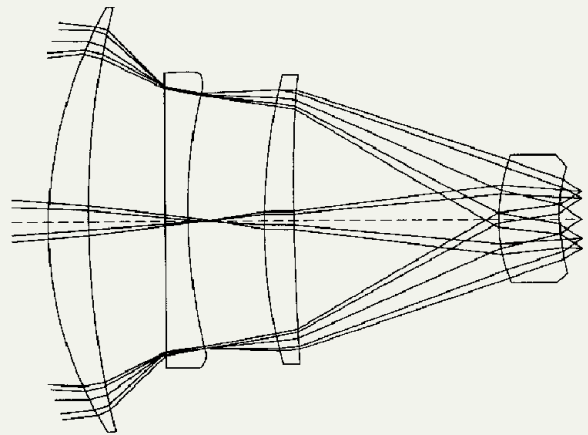
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Specifications

| | |
|---------------------------|--|
| IR spectral range: | SWIR, MWIR, LWIR, multi-band |
| Special features: | Highly resistant lenses regarding mechanical load capacity and environmental influences High precision measurement of all optical parameters (MTF, distortion, transmission) - partially under application conditions |
| Design and manufacturing: | In-house or custom optical design Fabrication quality and coatings according to customer requirements |
| Accessories: | Macro adapter Other items on request |

Jenoptik offers special customized opto-electro-mechanical modules with the following properties:

- external assessable modules
- switchable visual fields
- switchable zoom factor
- focusable
- reducing stray light
- active or passive athermalization



It is our policy to constantly improve the design and specifications. Accordingly, the details represented herein cannot be regarded as final and binding.



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