

Infrared transmissive Domes

Design, manufacturing and testing on customer's specifications. (O) SHARING EXCELLENCE

Jenoptik offers infrared transmissive domes for security and defense applications to protect active optical systems. Depending on the specific customer specification, these domes can be provided with highly resistant and highly efficient antireflection coatings.

Jenoptik possesses advanced technologies for design, manufacturing and coating of IR optical domes. These domes are made of high resistant materials and can be used under extreme conditions as a protection element for highly sensitive opto-electronics.

All components are routinely tested for compliance with DIN ISO or MIL standard requirements.

Applications:

- Security technology
- Half-space observation
- Seeker head optics

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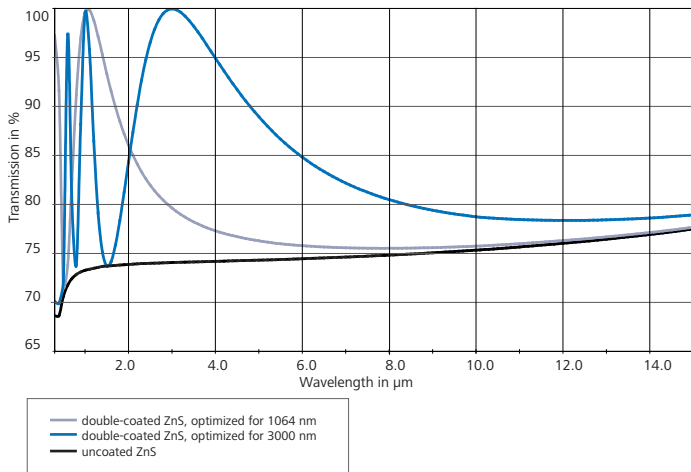
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Specifications

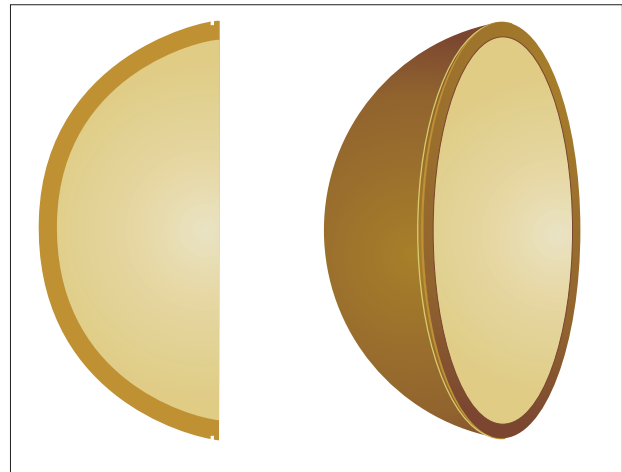
Available product range

Diameters:	75 - 160 mm
Material thickness:	≥ 4 mm
Materials:	ZnS (IR Grade, Cleartran), other on request
Coatings:	AR-coatings for VIS, NIR, MWIR, LWIR, broadband
Adapter surfaces:	Customized interface surfaces
Especially optimized for:	<ul style="list-style-type: none">- Abrasive environmental conditions- Transmission in high angles- High long-term stability
Testing capabilities:	<ul style="list-style-type: none">- Qualification and optimization according to the requirements of the hole optical system- Extensive measurement and test capabilities- According to DIN ISO and MIL standards

Examples



Broadband-AR-coating for Domes



Typical Dome geometry

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