

Infrared Aspheric Lenses

Aspheric Technology is widely used in the thermal imaging camera lenses design, which effectively reduce the spherical aberration, distortion and other various aberrations, achieve athermalization design and reduce the number of needed lens elements, lower the cost.

Ultra-precision single point diamond processing machine are used to achieve the precision aspheric in 3nm, Hangzhou Shalom EO offers the **aspherical optical lenses** at wavelength range MWIR (3-5 μ m) and LWIR (8-12 μ m), the lenses are customized and made from: Ge, ZnSe, ZnS, CaF₂, GaAs, AMTIR glass and Si.

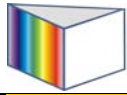


Features

- Optical Lenses works at MWIR (3-5 μ m) and LWIR (8-12 μ m) wavelength range;
- Ultra-precision single point diamond processing machine are used to achieve the precision aspheric in 3nm;
- Customized lenses are available;
- Substrates materials: Ge, ZnSe, ZnS, GaAs, CaF₂, AMTIR glass, Si;
- Various coating: high-efficiency AR, durable AR and DLC coating are available;
- Specifications conformed to military standard.

Specifications

Standard specifications	
Materials	Ge, ZnSe, ZnS, GaAs, CaF ₂ , AMTIR glass, Si
Aperture	>90%
Dimension Tolerance	+0.0/-0.2mm
Thickness Tolerance	+/-0.2mm
Surface Quality	80/50 S/D or 60/40 S/D
Chamfer	0.3-0.5mmx45degree



Coating	customized