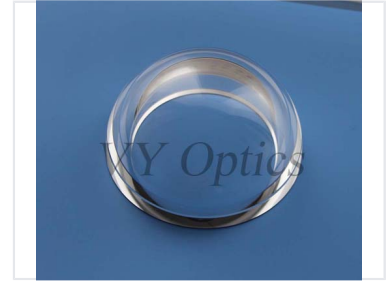


Optical Dome Lens

This optical dome lens is designed to protect underwater camera lenses from water pressure while providing a clear, wide field of view. Constructed from optical-grade materials such as BK7 glass and UV fused silica, it ensures optimal image quality.



Overview

Precision Optical Dome Lens

These hemisphere dome lenses are engineered for demanding applications, including underwater camera protection and wide-field imaging. Designed to resist significant water pressure while maintaining optical clarity, they provide an expansive field of view for high-quality image capture. Available in a wide range of materials and customizable dimensions, these lenses meet rigorous standards for surface quality and precision.

Physical Properties

Diameter Range

10 mm

Minimum Diameter

250 mm

Maximum Diameter

Available Materials

BK7 Glass, UV Fused Silica, Various Optical Glass

Optical Precision

Tolerance Specifications

Parameter	Standard	Attainable
Diameter Tolerance	0.1 mm	0.01 mm
Surface Quality (Scratch/Dig)	60/40	20/10
Power/Irregularity	5/1 fringes	0.5/0.1 fringes
Decentration	0.05 mm	0.01 mm

Aperture Angle

60 deg