



K E O S C I E N T I F I C

9.25in dia. BK7 Glass Dome



Keo Scientific 9.25in Dia. Optical Grade BK7 Dome

This 9.25" diameter hemispheric observing dome is made of BK-7 grade mineral glass which is finely ground to the highest standard of precision. It is coated with a superior Silicon Oxide coating (SiO₂) on the convex surface and with a Broad Band Anti Reflective (BBAR) coating on the concave surface. The SiO₂ coating is an extremely resistant type of coating with a 0.01% reflective index, providing unparalleled light transmission. Both the SiO₂ and BBAR coatings not only prevent internal and external reflections but also protect the surface from scratches, thereby extracting maximum optical performance from your Keo Scientific airglow imager. As opposed to most acrylic (plexiglass) domes, this glass dome is truly Optical Grade, in that it introduces no image distortion/warping across the field.

The geometry and size of this dome is meant to accommodate the ultra-wide field of view fisheye lenses of all Keo Scientific allsky imagers, without obscuring parts of the field of view. The dome will also accommodate optional accessories, like the Keo *SunShield*.

Features

- 9.25" diameter hemispheric observing dome for all-sky airglow observations with Keo Scientific *Sentry* Imagers
- BK-7 Mineral Glass for best imaging quality (no internal bubbles, no image distortion)
- SiO₂ and BBAR anti-reflective (AR) coatings
- Ultra-high light transmission (99%)
- Accommodates Keo *Sentry* 3 and 4 inch imagers, with or without Keo *SunShield*
- Provides a full 180-degree unobscured field of view for Keo *Sentry* all-sky imagers
- Black anodized aluminum mounting flange with bolt circle, for easy mounting - mounting instructions/advice provided

