

KO | BRINGING QUALITY INTO FOCUS

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N-BK7 Windows for use in Camera Systems

Knight Optical offer a range of [Stock N-BK7 Precision Grade Windows](#), for use within Camera Systems.

Our precision grade N-BK7 windows are often used to seal optical enclosures and act as a protective window for the optical and electrical component behind the window, particularly within CCTV and ANPR systems where there is a risk of damage. N-BK7 provides excellent transmission in the visible and near infrared spectrum which can be enhanced still with our Anti Reflective coatings.

Our stock range of $\frac{1}{4}$ wave N-BK7 or equivalent windows are supplied either uncoated or with the option of an Anti-Reflective coating on both faces with extended BBAR for visible and NIR applications within the 450-900nm wavelength range. We can also offer custom solutions for your application, whether it is a custom size or a coating to optimise a different wavelength range, beamsplitter coated or mirror coated to meet your bespoke requirements.

Our N-BK7 windows offer 1 arcminute parallelism for minimal beam deviation and with flatness of $>\lambda/4$ over 90% of the clear aperture and a surface quality of $<40/20$ scratch dig to allow for high precision optical windows for your camera application.

We hold a large inventory of N-BK7 Windows.

- Stock sizes from 10mm to 75mm diameter as well as square and rectangular shapes.
- Custom sizes available to quotation.
- Different coating options to suit your needs

Typical specs:

Material:	N-BK7 or Equivalent
Diameter Tolerance:	+0.0/-0.15mm
Length/Width Tolerance:	± 0.1 mm
Thickness Tolerance:	± 0.1 mm
Flatness:	$>\lambda/4$ over 90% aperture
Surface Quality:	<40/20 Scratch/Dig
Parallelism:	1 arc minute
Coating:	Windows with the suffix "AV2" are coated on both faces with our extended broadband multilayer antireflective coating <0.5%@450-900nm

All our N-BK7 Windows are fully inspected on their quality in our ISO 9001:2015 certified, state-of-the-art Metrology laboratory, with our Trioptics, Optispheric, Varian and Starrett AV300. This allows us to work to the highest [QA standards](#) and meet the tolerance specifications on these **precision components**.

[Contact our technical sales team](#) to discover how Knight Optical's high quality N-BK7 Windows and superior service can improve your instrumentation and supply chain experience.

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- View our [QA and metrology information](#)
- Watch our [Corporate Video](#)
- [View Our Corporate Brochure](#)