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## KO | BRINGING QUALITY INTO FOCUS

### Polarisers for Cameras

**Knight Optical** offer a range of [Stock Polarisers](#) that can be used in the visible range for use with cameras/photography.

We supply a range of Polarizer options for a range of applications. All individually QA checked and metrology tested for quality to ensure parts meet customer specification. Supplied in a range of sizes and shapes with custom coatings tailored to meet your individual applications.

Linear Polarisation can be split into P-Polarised (Light where the electric field is **Parallel** to the plane of incidence) and S-Polarised (Light where the electric field is **Perpendicular** to the plane of incidence) light, where a polariser can be used to eliminate one plane of polarisation.

This is done to decrease 'glare' (reflections on the surface) when an image is being taken, and increase the contrast. This is used often with cameras to obtain 'better' image quality at the expense of an image that appears slightly darker.

Knight Optical also keep stock a [UV and NIR](#) range of sheet polarisers, for use with cameras outside of the typical visible range.

These Linear Polarisers are available with single-sheet transmissions in the range of 22-44% and also in a range of sizes.

#### Typical specs for our stock Polarisers (custom capabilities available upon request):

**Material:** N-BK7 or Equivalent  
**Diameter Tolerance:** +0.0/-0.25mm  
**Length/width Tolerance:** ±0.5mm (<100mm) ±1mm (100-400mm), nominal (>400mm)  
**Axis direction:** ±2°

Non- glare coatings available on our circular polarisers with the option of left or right handed polarisation. We can also offer acrylic or glass laminations.

**All our Polarisers are fully inspected on their quality in our ISO 9001:2015 certified, state-of-the-art Metrology laboratory**, with our Cary FTIR 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 Plate Beamsplitters and superior service can improve your instrumentation and supply chain experience.

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