



Discover how we can improve your instrumentation and supply chain experience today!

KO | BRINGING QUALITY INTO FOCUS

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Knight Optical (UK) Ltd | Roebuck Business Park | Harrietsham | Kent ME17 1SB UK **Colour**

Glass Filters for ANPR Camera Systems.

Automatic Number Plate Recognition Cameras otherwise known as ANPRs; are camera devices designed to work at certain wavelengths (dependent on Country) to read a license plate's number of a vehicle to then track it through a database to identify any criminal offences links to that car, such as uninsured; stolen; major and organised crime; and even terrorism. They are typically installed on motorways; busy roads around cities and towns; and also on police cars as well as specialised [ANPR](#) police vans.

Knight Optical offers [Colour Glass Filters](#) for such an application, be it either long pass or bandpass filters. The wavelengths typically used by ANPR camera companies are: 695nm; 740nm; 810nm; 850nm; 910nm and 940nm.

We offer these filters as either long pass or band pass filters. We can also offer these as customised filters with specific band blocking coatings to optimise your wavelength of choice.

We hold a massive inventory of [Bandpass](#), [Long pass](#), and [Short pass](#).

- Stock sizes of 25mm dia, and 50x50mm squares x 3mmthk.
- Custom shapes and sizes available
- Alternative thickness substrates available.

Typical specs:

Material:	Colour glass
Diameter:	+0.0 / -0.20 mm
Length/width:	± 0.20 mm
Thickness:	± 0.20 mm
Surface quality:	<60-40 scratch/dig
Parallelism:	<3 arcmin

Note:

- Wavelength cut-on listed in table is transition cut-on wavelength ($T=T_{max}/2$)
- Wavelength cut-off listed in table is transition cut-off wavelength ($T=T_{max}/2$)
- Wavelength peak is centre wavelength (specific to Bandpass Filters)

All our Colour Glass Filters are checked for quality in our state-of-the-art Metrology laboratory using our Varian Cary 5000 spectrophotometer's fitted with UMA, allowing 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 Colour Glass Filters 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](#)

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