

Press Release

Discover the 1 mm optical filters from Schneider-Kreuznach

BAD KREUZNACH, April 2020

Filters play an important part in an imaging system. They block unwanted wavelengths and troublesome surrounding light, while selected wavelength ranges are transmitted at a high percentage. As an optical element the filter must fulfill some requirements to ensure that it has no impact on the resolution of the complete system. The quarter wave wavefront distortion also ensures that the MTF is not affected. Our 1 mm thin filters with a high surface quality are developed to be placed between lens and sensor. Equipped with the Schneider-Kreuznach typical coating with high transmission and steep slopes, they are the ideal choice for challenging machine vision applications. These 1 mm thin filters are provided with an ultra-low reflection coating, important for e.g. traffic surveillance. The wavelength tolerance of only +/- 1 % makes them a preferred choice for metrology systems. Optimized for common LEDs used in machine vision, the filters are ideal for automated inspection systems as food & beverage control or logistics. For example, the blue BP 465-70 HT bandpass is often used in 3D measurement applications. For night/day vision cameras Schneider-Kreuznach offers the VIS-85 type, transmitting in visible 430-680 nm and 855 nm +/- 15 nm. Contact Schneider-Kreuznach today and find out which filter suits best to your needs.

About the Schneider Group:

The Schneider Group specializes in developing, producing and manufacturing high-performance lenses and filter systems for industrial applications, cine and photography. It also offers high-quality precision mechanics and servo hydraulics. The company's main brand "Schneider-Kreuznach" stands for state-of-the-art technology from Germany. The group has been a world market leader in the field of high-performance lenses for many years. The Schneider Group consists of Jos. Schneider Optische Werke GmbH founded in Bad Kreuznach in 1913, and its subsidiaries Pentacon (Dresden), Schneider Optics (New York, Los Angeles), Schneider Asia Pacific (Hong Kong) and Schneider Optical Technologies (Shenzhen). The Schneider Group has around 550 employees worldwide, including 350 at its German headquarters.

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