

CCTV Camera Filters

SLIP-ON FILTERS for CCTV Lenses

Midwest Optical Systems (Midopt) has developed a line of slip-on filters and filter mounts for attaching standard filters to the front end of lenses that are not provided with filter threads.

Filters for Varifocal, Wide Angle and other Lenses without Filter Threads

For those needing to use filters together with short focal length, varifocal, wide angle or other lenses without filter threads, this has been a problem that has been waiting for a solution. In response, MidOpt now carries in stock a complete line of slip-on filters and mounts that can typically be shipped the same day they are ordered in any of over 50 different filter types and in any size.

Slip-on mounts are made of matte black Delrin and are held in position on the lens with three tiny set screws. A hex key is shipped with the mounts to facilitate installing the filter onto the lens.

Filters that are accommodated are oversize in diameter relative to the lens itself in order to prevent the filter from vignetting – a very common problem with all short focal length lenses. Additionally, contrary to traditional filter configuration, standard threaded filter mounts are designed to be installed “upside down” onto the slip mount adapter – creating the lowest possible profile; typically about 1.0mm. This is particularly important for very wide angle lenses with protruding front lens elements. Further, step rings are available to adapt very larger diameter filters to the slip mount in those cases where the angular field of view approaches 180° and vignetting would otherwise be unavoidable and intolerable. Filters can thus be threaded individually or in tandem with other filter types.

For help in selecting the appropriate slip-on mount and filter for your lens, please give us a call.



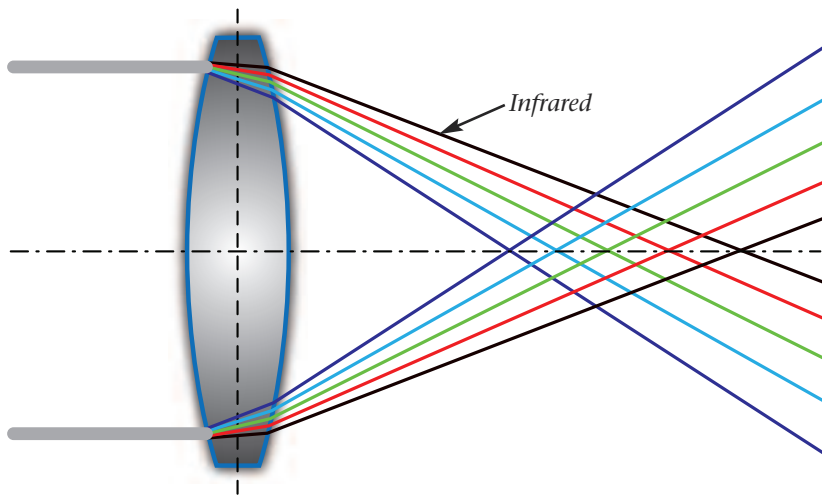
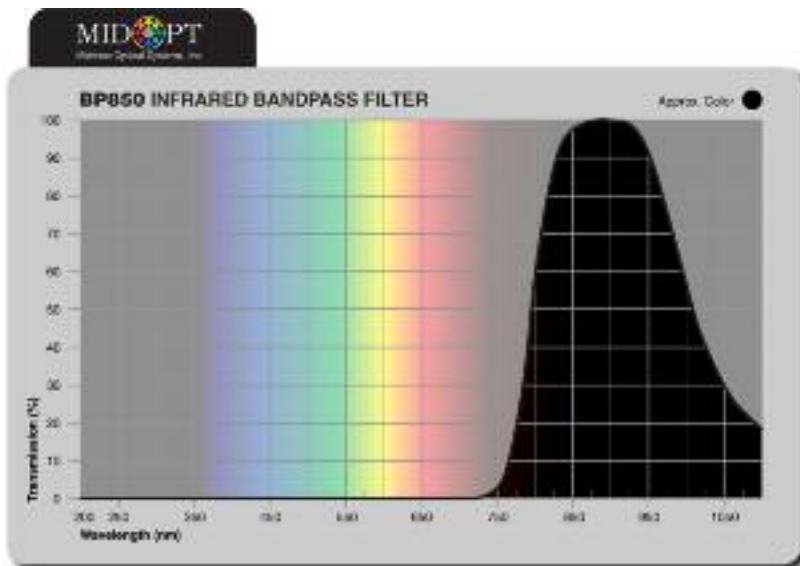
MIDOPT

Midwest Optical Systems, Inc.
Machine Vision Filters, Lenses and Accessories

322 Woodwork Lane
Palatine IL 60067

P: 847-359-3550
F: 847-359-3567
E: midwest@midopt.com
W: www.midopt.com

CCTV Camera Filters



INFRARED FILTERS

Increase Contrast & Resolution

The human eye cannot see infrared light (IR), however most CCTV cameras can. As such, the invisible light can be used to illuminate a scene. The wavelength of IR light is longer than those wavelengths of the colors in visible light. Consequently, each wavelength of light has a different focal point.

When both visible and IR light enter an ordinary lens, they do not focus at the same point. This results in blurred images, reduced contrast and overall lower image quality.

The use of a visible-block/infrared-pass filter is almost mandatory for IR applications in order to significantly improve and maximize contrast.

MidOpt offers filters designed specifically for use with common IR lighting used in security and surveillance applications. Filters are available in threaded or slip-on mounts to fit any CCTV lens.

MIDOPT

Midwest Optical Systems, Inc.
Machine Vision Filters, Lenses and Accessories

322 Woodwork Lane
Palatine IL 60067

P: 847-359-3550
F: 847-359-3567
E: midwest@midopt.com
W: www.midopt.com