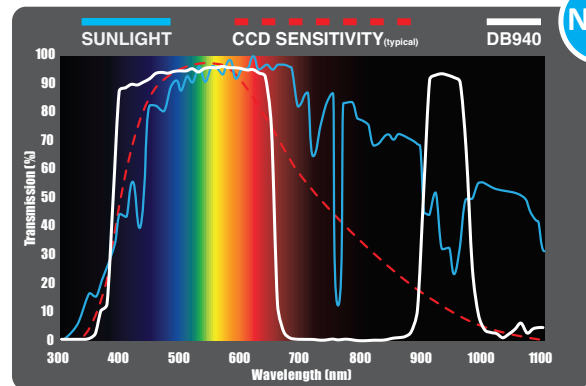


## NEW INNOVATIVE PRODUCTS FROM MIDOPT

### DUAL BANDPASS FILTERS

- Ideal for color camera day/night applications
- Block interfering IR wavelength range to achieve accurate color rendition
- Allow the ability to view a scene with appropriate IR illumination at night

The DB850 and DB940 Dual Bandpass Filters are ideal for applications where a color camera is necessary for accurate color images during the day, while simultaneously transmitting IR illumination for nighttime use with the same camera.



Part # Prefix	Filter Description	Full Width Half Max (50% point) +/- 10nm	Minimum Peak Transmission	Surface Quality Scratch and Dig	Mount Options
<b>DB850</b>	Dual Bandpass Visible + 850 nm IR	Visible 385-650 nm Infrared 820-880 nm	90%	40/20	T,S,C,F
<b>DB940</b>	Dual Bandpass Visible + 940 nm IR	Visible 385-650 nm Infrared 910-970 nm	90%	40/20	T,S,C,F

T=Standard Threaded Lens Mount; S=Slip-On Mount; C=C/CS-Camera Mount (M25.4); F=Filter, No Mount

### NARROW BANDPASS FILTERS

- Narrow design for overwhelming ambient light conditions
- Suitable for laser diodes
- Mounting solutions for all systems
- Commonly used in fluorescence applications
- Durable and environmentally stable
- Longer lifespan
- Less sensitive to angle of incidence variations than traditional interference filters



Part # Prefix	Filter Description	Full Width Half Max (50% point) +/- 10nm	Minimum Peak Transmission	Surface Quality Scratch and Dig	Mount Options
<b>BN470</b>	Narrow Blue Bandpass/UV Block	450-495 nm	85%	40/20	T,S,C,F
<b>BN532</b>	Narrow Green Bandpass	515-560 nm	85%	40/20	T,S,C,F
<b>BN595</b>	Narrow Orange Bandpass	570-615 nm	85%	40/20	T,S,C,F
<b>BN630</b>	Narrow Light Red Bandpass	610-650 nm	85%	40/20	T,S,C,F
<b>BN660</b>	Narrow Dark Red Bandpass	640-680 nm	85%	40/20	T,S,C,F
<b>BN740</b>	Narrow IR Bandpass	720-770 nm	85%	40/20	T,S,C,F
<b>BN785</b>	Narrow IR Bandpass	760-805 nm	85%	40/20	T,S,C,F
<b>BN850</b>	Narrow IR Bandpass	825-870 nm	85%	40/20	T,S,C,F

T=Standard Threaded Lens Mount; S=Slip-On Mount; C=C/CS-Camera Mount (M25.4); F=Filter, No Mount

# NEW INNOVATIVE PRODUCTS FROM MIDOPT



NEW

- LE100\* Set Includes the Following:**  
 LE254-43: Enclosure mount with built in 5 mm spacer  
 LE025-43: 25 mm Extension tube  
 LE010-43: 10 mm Extension tube  
 LE005-43: 5 mm Extension tube



\*Additional extension tubes in the above sizes are available and can be purchased individually to accommodate longer lenses

## LE100 CS MOUNT LENS ENCLOSURE

- Protects the lens
- Fits all CS cameras
- Equipped with a built-in 5mm spacer to accommodate all C-mount lenses
- Anti-reflective coating to maximize transmission
- Easy to clean and tamper resistant
- Accommodates a lens up to 42.5 mm in length and 37.5 mm in width including thumbscrews

### Two Protective Lens Options

- LE100-LP340** Glass protective window with an anti-reflective coating.  
**LE100-AC380** Anti-abrasion acrylic protective window with an anti-reflective coating, approved for FDA applications.

\*NOTE: Can be used with C-Mount cameras and CS lens to CS cameras; however, it will affect the minimum object distance.



NEW

*FS100 Machine Vision Swatch Kit is a compact tool for testing*

### Swatch Kits Include:

- QR codes to link filter information to MidOpt.com
- 43mm diameter aperture
- Filter transmission curve of each filter

## MIDOPT SWATCH KITS

Evaluate and improve image quality with MidOpt Swatch Test Kits

Designed to assist vision integrators and end users to evaluate and improve image quality.

Test before investing in lighting hardware. Filters can determine the color of illumination which best satisfies the application requirements.

Control the variability of ambient light. Once appropriate lighting has been chosen, a complimentary filter aids in correcting specific problems and in controlling the variability of ambient lighting conditions.

Part # Prefix	Description
<b>FS100</b>	<b>Machine Vision Swatch Kit</b>
● BP324	UV A+B Bandpass
● BP470	Blue Bandpass/UV Block
● BP505	Green-Blue Bandpass
● BP525	Light Green Bandpass
○ BP550	UV and Near IR Blocking
● BP590	Orange Bandpass
● BP635	Light Red Bandpass
● BP660	Dark Red Bandpass
● BP850	IR Bandpass
● PR032	Linear Polarizer

Also Available : NS100 Neutral Density Swatch Kit. Includes: ND030, ND060, ND090, ND120, ND200, ND300, ND400

[www.MidOpt.com](http://www.MidOpt.com)

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