

Two circular optical filters are shown against a dark background. The filter on the left has a blue-tinted lens and the text '8395/870-22.8' printed on its black frame. The filter on the right has a yellow-tinted lens and the text '850/850-22.8' printed on its black frame. Both filters have a slightly raised, flange-like outer edge.

- 1 + S\$177^{.80}

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Full Width-Half Max FWHM Range (nm):
250nm, 50nm $\pm$ 20 nm VIS, $\pm$ 10 nm NIR

General	
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Type: Dual Bandpass Mounted Imaging Filter

Model Number: DB940-25.5

Physical & Mechanical Properties

Outer Diameter (mm): 27.5

Substrate Thickness (mm):

1mm	
Optical Properties	
Color:	VIS-940nm-NIR
Surface Quality:	40/20
Transmission (%):	≥90%
Transmission Wavelength (nm):	405-650nm, 925-965nm
Threading & Mounting	
Filter Thread:	M25.5 x 0.50
Mount Thickness (mm):	5.2
Regulatory Compliance	
Certificate of Conformance:	View

Product Details

- Block and Transmit Desired Key VIS and NIR Spectral Bands with One Filter
- Remove The Need for Dual Sensor Setups
- Anti-Reflection Coating for Durability and Performance
- Various Mounting Thread Options Available

Multi-Band Machine Vision Bandpass Filters feature both double or triple bandpass options in one filter, allowing for greater flexibility in system design. These filters are designed with up to ≥90% transmission in the visible (VIS) or near-infrared (NIR) spectra with various wavelength range combinations available. Additionally, these filters are AR coated for optimal transmission and feature a hard-coated, single-substrate design with superior surface quality to maximize optical performance. Multi-Band Machine Vision Bandpass Filters ensure accurate color reproduction by blocking unwanted wavelengths, eliminating the need for dual-sensor imaging. These filters are ideal for surveillance applications such as, security and intelligent traffic management, as well as normalized difference vegetation index (NDVI) imaging applications.

Note: Other filter threads are available upon request.