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Dual Bandpass VIS-940nm NIR filter M30.5



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⊖ 1 ⊕ €136⁰⁰

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Qty 1+	€136,00 each
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Product Downloads

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

General

Type:
Dual Bandpass Mounted Imaging Filter

Model Number:
DB940-30.5

Physical & Mechanical Properties

Outer Diameter (mm):
32.5

Substrate Thickness (mm):

1mm

Optical Properties

Color:

MS-940nm-NIR

Surface Quality:

40/20

Transmission (%):

≥90%

Transmission Wavelength (nm):

405-650nm, 925-965nm

Threading & Mounting

Filter Thread:

M30.5 x 0.50

Mount Thickness (mm):

5.2

Regulatory Compliance

Certificate of Conformance:

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Product Details

- Block and Transmit Desired Key MS 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 (MS) 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.