

Dual Bandpass VIS-735nm NIR filter M25.5



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£101^{.60}

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Product Downloads

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

General

Type:
Dual Bandpass Mounted Imaging Filter

Model Number:
DB735-25.5

Physical & Mechanical Properties

Outer Diameter (mm):
27.5

2mm **Substrate Thickness (mm):**

Optical Properties

Color:
VIS-735nm-NIR

Surface Quality:
40/20

Transmission (%):
≥90%

Transmission Wavelength (nm):
404-645nm, 725-755nm

Threading & Mounting

Filter Thread:
M25.5 x 0.50

Mount Thickness (mm):
5.2

Regulatory Compliance

Certificate of Conformance:
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Product Details

- Block and Transmit Desired Key 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.