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M82 x 0.75 Variable Neutral Density (ND) Filters



Variable Neutral Density (ND) Machine Vision Filter

Stock **#16-082** **3 In Stock**

⊖ 1 ⊕ £179⁰⁰

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Volume Pricing	
Qty 1-9	£179.20 each
Qty 10-25	£166.40 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Neutral Density Filter **Type:**
AR Coated **Note:**

Physical & Mechanical Properties

77.5 **Clear Aperture CA (mm):**

77.5 Clear Aperture (%):

Optical Properties

Optical Density OD (Average):
0.5 - 4.0 @ 550 - 650nm

Substrate:
Polymer Film XP42

Blocking Wavelength Range (nm):
400 - 700

Coating Specification:
 $R_{avg} \leq 2\%$ @ 400 - 700nm

Threading & Mounting

Filter Thread:
M82 x 0.75

Mount Thickness (mm):
5.85

Mount Diameter (mm):
85 ± 0.2

Mount Thickness Including Threads (mm):
7.85

Regulatory Compliance

Certificate of Conformance:
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Product Details

- Continuous Attenuation of Illumination Intensity
- Ideal for the Visible Spectrum
- Variety of Common Machine Vision Threads Available
- [Mounted Absorptive Neutral Density \(ND\) Filters](#) Also Available

Variable Neutral Density (ND) Machine Vision Filters are designed for continuous attenuation of illumination intensity across the visible spectrum. Consisting of two linear polarizers ([XP42](#)) in an aluminum mount, one polarizer can be rotated with respect to the other and the transmitted light intensity can be adjusted. Variable Neutral Density (ND) Machine Vision Filters are available with common imaging lens filter threads to allow easy integration into machine vision or photography applications.