

2/3",50mm,F1.8,C-mount,ViSWIR Broadband



Computar ViSWIR Corrected HYPER-APO Lenses

Stock **#74-629** NEW [CONTACT US](#)

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+

S\$5,910⁰⁰

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SPECIFICATIONS

General

M5018-APVSW	Model Number:
Broadband Fixed Focal Length SWIR Lens	Imaging Lens Type:

Physical & Mechanical Properties

Manual Iris	Iris Option:
67.00	Length (mm):
41.0	Maximum Diameter (mm):
40.5	Outer Diameter (mm):
174.0	Weight (g):
5.00	Maximum Rear Protrusion (mm):
67.0	Maximum Length (mm):
Optical Properties	
10.2°	Horizontal Field of View @ Max Sensor Format:
10.2° (H8.83)	Horizontal Field of View, 2/3" Sensor:
8.1	Horizontal Field of View, 1/1.8" Sensor:
7.4° (H6.4)	Horizontal Field of View, 1/2" Sensor:
3.7° (H3.2)	Horizontal Field of View, 1/4" Sensor:
11.40	Maximum Image Circle (mm):
400 - 1700	Wavelength Range (nm):
50.00	Focal Length FL (mm):
200 - ∞	Working Distance (mm):
FOV @ Max Sensor Format, H x V (mm): Horizontal: 10.2° Vertical: 8.2° Diagonal: 12.8°	
f/1.8	Aperture (f/#):
13.4	Back Focal Length BFL (mm):
57.22	Entrance Pupil Position (mm):
7.11	Object Space Principal Plane (mm):
49.50	Image Space Principal Plane (mm):
0.20	Maximum Distortion (%):
-24.600	Exit Pupil Position (mm):
VS-SWR	Lens Wavelength Range:
VS, SWR	Wavelength:
Sensor	
2/3"	Optimized Sensor Format:
2/3"	Maximum Sensor Format:
Threading & Mounting	
M37.5 x 0.5	Filter Thread:
C-Mount	Mount:
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

- Fully Corrected Focus Shift Between VIS and SWIR
- 1/2" or 2/3", C-Mount
- Focal Lengths Ranging from 8 - 50mm
- Vibration Resistance Up to 5G

Computar ViSWIR Corrected HYPER-APO Lenses offer fully corrected focus shift across the visible and SWIR range, from 400nm to 1,700nm. By using ultra-low dispersion and low partial dispersion glass, focus shift is minimized to just a few microns across a wide wavelength range. By syncing illumination sources, this ensures spectral imaging is achievable with a single sensor camera. Computar ViSWIR Corrected HYPER-APO Lenses feature an APO floating design that reduces focus shift at any wavelength and working distance. These lenses are ideal for applications in factory automation, UAV, agricultural, and remote sensing.
