

TECHSPEC[®] 75mm C VIS-NIR Series Fixed Focal Length Lens



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+

₹52,200

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SPECIFICATIONS

General

Type:
Fixed Focal Length Lens

Imaging Lens Type:
Compact Lens Coated for Visible to Near Infrared

Physical & Mechanical Properties

Variable	Iris Option:
98.76	Length (mm):
48.0	Maximum Diameter (mm):
48.0	Outer Diameter (mm):
7.24	Maximum Rear Protrusion (mm):

Optical Properties

5.76°	Horizontal Field of View @ Max Sensor Format:
Horizontal: 5.76° Vertical: 4.32° Diagonal: 7.19°	Field of View at Max Sensor Format:
5.76°	Horizontal Field of View, 2/3" Sensor:
4.71°	Horizontal Field of View, 1/1.8" Sensor:
4.19°	Horizontal Field of View, 1/2" Sensor:
3.77°	Horizontal Field of View, 1/2.5" Sensor:
3.14°	Horizontal Field of View, 1/3" Sensor:
11.00	Maximum Image Circle (mm):
0.05111	Numerical Aperture NA, Object Side:
7 (6)	Number of Elements (Groups):
75.00	Focal Length FL (mm):
500 - ∞	Working Distance (mm):
f/2.0 - f/16.0	Aperture (f/#):
425 - 1000nm BBAR	Coating:
425 - 1000nm BBAR	Coating Specification:
63.265	Entrance Pupil Position (mm):
-15.01	Object Space Principal Plane (mm):
-64.79	Image Space Principal Plane (mm):
0.068	Maximum Distortion (%):
-31.983	Exit Pupil Position (mm):
VIS-NIR	Lens Wavelength Range:
VIS-NIR	Wavelength:

Sensor

2/3"	Maximum Sensor Format:

Threading & Mounting

M43 x0.75 (Female)	Filter Thread:
C-Mbunt	Mount:

Environmental & Durability Factors

-20 to +60 For questions regarding operating temperature please contact our support team	Storage Temperature (°C):

Regulatory Compliance

PRODUCT DETAILS

- Up to 2/3", C-Mount Lens
- Up to 7.5 MegaPixels, 2.8µm Pixel Size Sensors
- Compact (C) Broadband Lens for 425-1000nm Wavelength Range
- 3.5mm to 50mm Focal Length

TECHSPEC® C Series Fixed Focal Length VS-NIR Lenses are designed for use in machine vision applications that require NIR or VS-NIR performance, with the working distance and resolution requirements of factory automation and inspection in mind. Featuring large maximum apertures and a Broadband Anti-Reflection (BBAR) coating designed out to 1000nm, these high performance lenses can be used in even the most restrictive lighting conditions. TECHSPEC® C Series Fixed Focal Length VS-NIR Lenses are manufactured to a high tolerance, resulting in greater levels of imaging performance and low lens-to-lens variation, assuring simple installing into multiple systems. By combining high optical performance, industrial features, and small package size, the C Series Fixed Focal Length VS-NIR Lenses represent a new standard in factory automation optics.

Also available with a [VIS Broadband Anti-Reflection \(BBAR\)](#) or [SWIR](#) Coatings

Note: For IR imaging alone, [UV-VIS Cut Filters](#) are available and thread directly onto the front filter threads of the 4.5mm, 16mm, 25mm, 35mm and 50mm FL lenses.

TECHNICAL INFORMATION

