

**TECHSPEC® 25mm HR Series Fixed Focal Length Lens**



TECHSPEC HR Series Fixed Focal Length Lenses



Stock #71-000 **NEW** 8 In Stock

- 1 + ₹73,950

**ADD TO CART**

Volume Pricing	
Qty 1+	₹73,950 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Fixed Focal Length Lens **Type:**  
High Performance Lens **Imaging Lens Type:**

**Physical & Mechanical Properties**

Variable **Iris Option:**  
32.20 **Length (mm):**

31.5	<b>Maximum Diameter (mm):</b>
52	<b>Weight (g):</b>
7.00	<b>Maximum Rear Protrusion (mm):</b>

## Optical Properties

18.6°	<b>Horizontal Field of View @ Max Sensor Format:</b>
Horizontal: 18.6° Vertical: 14.0° Diagonal: 23.2°	<b>Field of View at Max Sensor Format:</b>
18.6°	<b>Horizontal Field of View, 2/3" Sensor:</b>
16.4°	<b>Horizontal Field of View, 1/1.8" Sensor:</b>
14.6°	<b>Horizontal Field of View, 1/2" Sensor:</b>
13.2°	<b>Horizontal Field of View, 1/2.5" Sensor:</b>
11.0°	<b>Horizontal Field of View, 1/3" Sensor:</b>
29.4mm - 8.2°	<b>Horizontal Field of View, 1/4" Sensor:</b>
11.00	<b>Maximum Image Circle (mm):</b>
0.0202	<b>Numerical Aperture NA, Object Side:</b>
5	<b>Number of Elements (Groups):</b>
25.00	<b>Focal Length FL (mm):</b>
200 - ∞	<b>Working Distance (mm):</b>
f/2 - f/22	<b>Aperture (f/#):</b>
425 - 675nm BBAR	<b>Coating:</b>
425 - 675nm BBAR	<b>Coating Specification:</b>
13.44	<b>Entrance Pupil Position (mm):</b>
22.46	<b>Object Space Principal Plane (mm):</b>
-13.73	<b>Image Space Principal Plane (mm):</b>
0.85	<b>Maximum Distortion (%):</b>
-27.85	<b>Exit Pupil Position (mm):</b>
350 - ∞	<b>Optimized Working Distance (mm):</b>
VIS	<b>Wavelength:</b>

## Sensor

2/3"	<b>Maximum Sensor Format:</b>
------	-------------------------------

## Threading & Mounting

M25.5 x 0.50 (Female)	<b>Filter Thread:</b>
C-Mount	<b>Mount:</b>

## Environmental & Durability Factors

-20 to +60	<b>Storage Temperature (°C):</b>
------------	----------------------------------

## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
China	<b>Country of Origin:</b>
	<b>Imported By:</b>

## Product Details

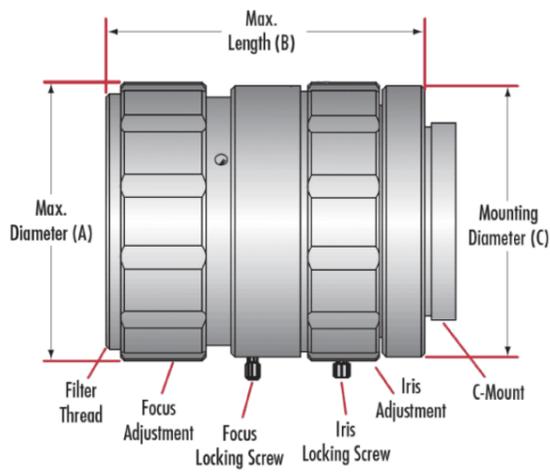
- 2/3", C-Mount Lens
- Up to 10 MegaPixels, 1.85µm Pixel Size Sensors
- High Resolution (HR), FA Lens for Machine Vision
- 8.5mm to 35mm Focal Length

TECHSPEC® HR Series Fixed Focal Length Lenses have multiple options available for each focal length to accommodate a variety of optimized working distance ranges. These lenses are ideal for machine vision (MV) and [factory automation \(FA\)](#) applications. TECHSPEC HR Series Fixed Focal Length Lenses are perfect for use on high-end 5 MegaPixel and 9 MegaPixel sensors that require resolution and high contrast. All lenses are C-Mount and feature locking focus, iris rings, and a front filter thread to allow the use of standard optical filters for increased versatility. Call for OEM Quantity Pricing.

Edmund Optics has created a family of high performance optical designs (the HR Series family) and developed three customized optomechanical solutions targeted for specific applications. These lens sub-families utilize the same optics as the HR Series Lenses, providing the same optical performance in a variety of optomechanical solutions to meet your application requirements:

- **HR Series:** Features locking cam focus and iris adjustment. This is the most adjustable version of these optical designs and is the typical high quality machine vision lens.
- **HRi Series:** Simplified mechanics featuring fixed apertures with compact housing. [Industrial Ruggedization](#) for reduced size, cost, and locked focus.
- **HRr Series:** All optics glued in place and a locking C-clamp focus ring. [Stabilized Ruggedization](#) for reduced pixel shift and improved focus stability.

## Technical Information



Dimensions			
Focal Length (mm)	A (mm)	B (mm)	C (mm)
8.5	42.5	44.5	33.5
12	36	41.07	35
12	36	41.37	35
12	36	41.19	35
16	37	44	36
16	37	44	36
25	37.5	34.4	36
25	37.5	33.7	36
25	37.5	33.7	36
35	37.5	45	36
35	37.5	45	36