

TECHSPEC® 25mm Focal Length, HP+ Series Fixed Focal Length Lens



Stock #20-226 **20+ In Stock**

⊖ 1 ⊕ £716⁰⁰

ADD TO CART

Volume Pricing	
Qty 1+	£716.00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

HP+ Series **Series:**

Fixed Focal Length Lens **Type:**

High Performance Lens **Imaging Lens Type:**

Physical & Mechanical Properties

Variable **Iris Option:**

96.98	Length (mm):
38.8	Maximum Diameter (mm):
38.8	Outer Diameter (mm):
239	Weight (g):
0	Maximum Rear Protrusion (mm):
92.9	Maximum Length (mm):
91.4	Minimum Length (mm):

Optical Properties

33.3°	Horizontal Field of View @ Max Sensor Format:
Horizontal: 33.3° Vertical: 28.8° Diagonal: 43.7°	Field of View at Max Sensor Format:
32.1°	Horizontal Field of View, 1.1" Sensor:
29.3°	Horizontal Field of View, 1" Sensor:
20.2°	Horizontal Field of View, 2/3" Sensor:
16.5°	Horizontal Field of View, 1/1.8" Sensor:
14.7°	Horizontal Field of View, 1/2" Sensor:
19.30	Maximum Image Circle (mm):
0.0201	Numerical Aperture NA, Object Side:
10 (8)	Number of Elements (Groups):
25.00	Focal Length FL (mm):
200 - ∞	Working Distance (mm):
f/2.8 – 22	Aperture (f/#):
M4 MgF ₂	Coating:
M4 MgF ₂	Coating Specification:
21.34	Entrance Pupil Position (mm):
35.12	Object Space Principal Plane (mm):
-20.71	Image Space Principal Plane (mm):
3.82	Maximum Distortion (%):
-51.55	Exit Pupil Position (mm):
VIS	Lens Wavelength Range:

Sensor

1.2"	Maximum Sensor Format:
2.74	Pixel Size (μm):

Threading & Mounting

M30.5 x 0.5 (Female)	Filter Thread:
C-Mount	Mount:

Environmental & Durability Factors

-20 to +60 For questions regarding operating	Storage Temperature (°C):
--	---------------------------

temperature please contact our support team

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 235:**

Product Details

- 1.2", C-Mount Lenses
- Up to 24.5 MegaPixels, 2.74µm Pixel Size Sensors
- 16mm to 35mm Focal Length

TECHSPEC® HP+ Series Fixed Focal Length Lenses are designed to provide exceptional performance for the harsh demands of factory [automation \(FA\)](#) and machine vision. These lenses are designed for use with Sony's 4th Generation Pregius S™ 24.5MP 1.2" IMX530 and IMX540 sensors. The f/2.8 aperture provide increased light throughput and high-resolution performance. TECHSPEC® HP+ Series Fixed Focal Length Lenses are C-Mount and feature a locking focus and iris rings to prevent unwanted adjustments, as well as a front filter thread for integrating standard optical filters. These lenses are ideal for measurement and gauging, 3D stereo vision, and object tracking.

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

- **HP 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.
- **HPi Series:** Simplified mechanics featuring fixed apertures with compact housing. [Industrial Ruggedization](#) for reduced size, cost, and locked focus.
- **HPr Series:** All optics glued in place and a locking C-clamp focus ring. [Stabilized Ruggedization](#) for reduced pixel shift and improved focus stability.