

TECHSPEC[®] Hypercentric Lens for 1/3" Sensors



Hypercentric Lenses



Stock **#86-584** 1 In Stock

-

1

+

S\$4,921^{.00}

ADD TO CART

Volume Pricing	
Qty 1+	S\$4,921.00 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Hypercentric Series

Series:

Maximum Viewing Angle, MVA (°):

33.00	
Circular Image on Max Sensor	Note:
Hypercentric Lens	Type:
Hypercentric	Special Type of Lens:
Physical & Mechanical Properties	
Variable	Iris Option:
167.00	Length (mm):
55.9	Maximum Diameter (mm):
Optical Properties	
6.00	Maximum Image Circle (mm):
37.2	Near Aperture, T (mm):
21.1	Working Distance (mm):
Variable	Aperture (f/#):
28.2	Convergence Point Distance, CPD (mm):
18.00	Depth of Field (mm):
9.4	Far Aperture, B (mm):
Not Applicable	Magnification:
VS	Lens Wavelength Range:
Sensor	
1/3"	Maximum Sensor Format:
2.74	Pixel Size (µm):
Threading & Mounting	
N/A	Filter Thread:
C-Mount	Mount:
Regulatory Compliance	
View	Certificate of Conformance:

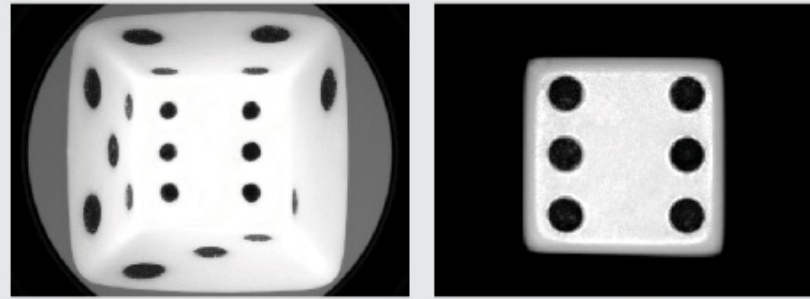
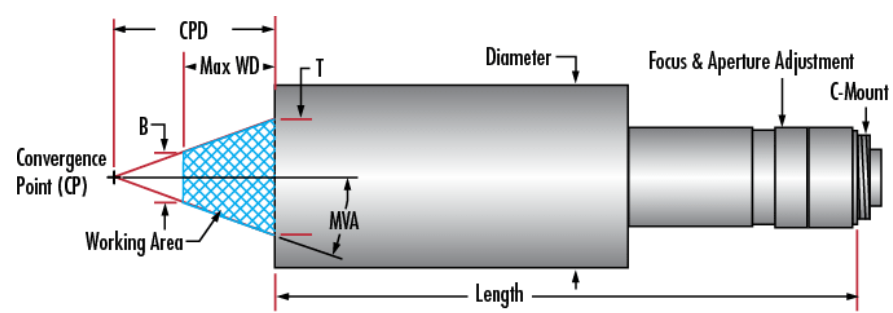
PRODUCT DETAILS

- Simultaneously Images the Sides and Top of an Object
- Up to 2/3" Hypercentric or Pericentric Lens
- C-Mount Lens
- Ideal for Component Inspection

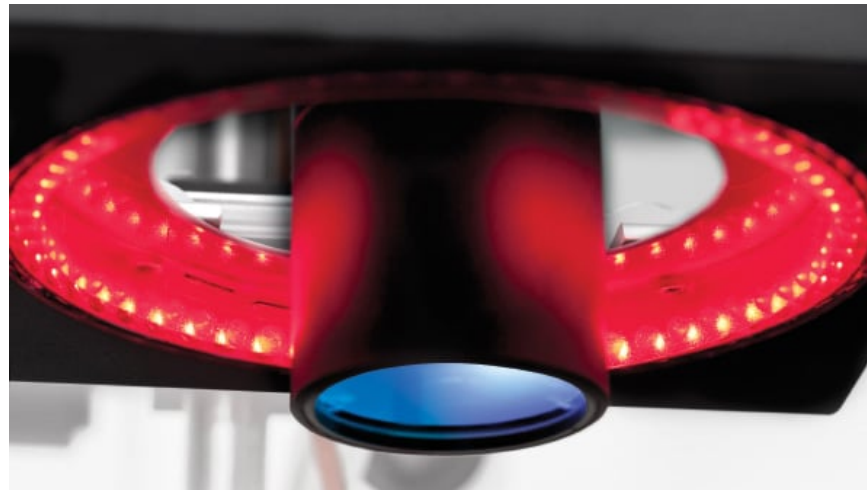
TECHSPEC® Hypercentric Lenses provide a converging view of an object, focusing on the top and surrounding sides simultaneously, and are used to eliminate the need for multiple camera and imaging lens setups in machine vision inspection or identification applications. TECHSPEC® Hypercentric Lenses are ideal for inspecting parts such as pharmaceutical vials, batteries, or automotive parts. These imaging lenses provide a conical-shaped working area, and are optimized for use with monochromatic light. When 0.5 – 1.5mm spacers are positioned between the lens and camera, TECHSPEC® Hypercentric Lenses can also be used as long working distance borescopes, simultaneously focusing on the internal walls and bottom surface of an object. The borescope working distance is the area past the convergence point (CP) of the standard working area. The use of larger spacers increases the borescope focus distance.

Note: All specifications are defined at 660nm.

TECHNICAL INFORMATION



Images of dice using a Hypercentric Lens (left) and a Fixed Focal Length Lens (right)



Hypercentric Lens in Borescope Mode

