

20X 120i Plan APO Infinity Corrected Objectives



#15-944: 20X 120i Infinity Corrected Objective



Stock **#15-944** 2 In Stock

-

1

+

C\$2,646^{.00}

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Volume Pricing	
Qty 1+	C\$2,646.00 each
Need More?	Request Quote

Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General	
Compatible Tube Lens Focal Length (mm): Focal Length: 120mm	
Microscope Objective	Type:
Infinity Corrected	Style:

Edmund Optics®		Manufacturer:
Physical & Mechanical Properties		
76.50	Length (mm):	
76.50	Length excluding Threads (mm):	
35	Maximum Diameter (mm):	
221	Weight (g):	
Optical Properties		
0.32mm	Horizontal Field of View, 1/2" Sensor:	
0.44mm	Horizontal Field of View, 2/3" Sensor:	
0.70mm	Horizontal Field of View, 1.1" Sensor:	
6.00	Focal Length FL (mm):	
20X	Magnification:	
0.42	Numerical Aperture NA:	
0.65	Resolving Power (μm):	
1.60	Depth of Field (μm):	
5.7	Working Distance (mm):	
400 - 700	Wavelength Range (nm):	
17.6	Field Number (mm):	
82.2	Parfocal Length (mm):	
Sensor		
1.1"	Maximum Sensor Format:	
Threading & Mounting		
1" x 32 TPI	Mounting Threads:	
Environmental & Durability Factors		
+10 to +40	Operating Temperature (°C):	
Regulatory Compliance		
Compliant	RoHS 2015:	
View	Certificate of Conformance:	
Contains SVHC(s)	Reach 240:	

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Up to 43% Smaller than Industry Standard Systems
- Optimized Performance up to 1.1" Sensor

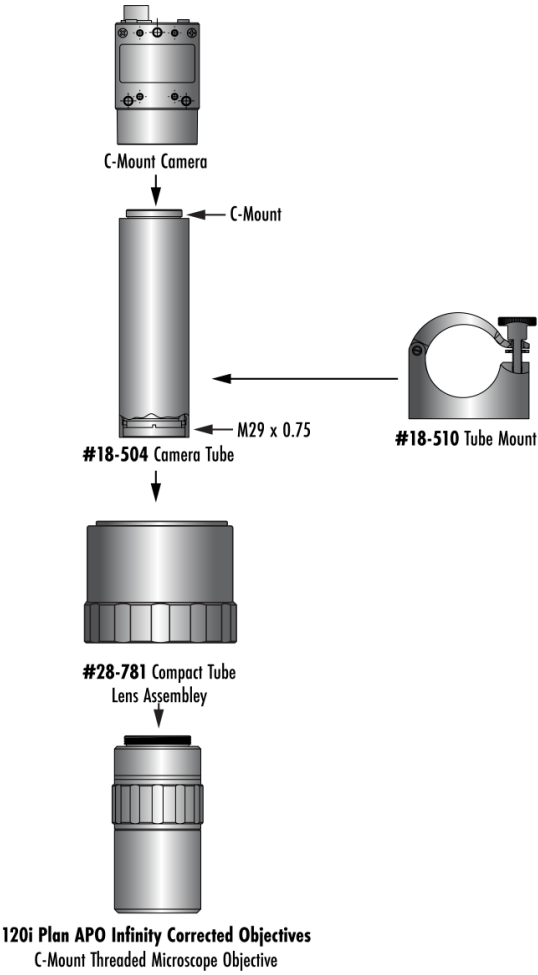
- Ideal for Life Science and Industrial Applications
- Winner of the [2023 Bronze VSD Innovators Award](#)

Edmund Optics® 120i Plan APO Infinity Corrected Objectives are infinite conjugate microscope objectives that offer exception image flatness and chromatic correction over 400-700nm. These objectives were designed for a 1.1” sensor to offer a large field of view and reliable image quality for high-throughput imaging applications. Ideal for life science and machine vision applications such as microscopy, flow cytometry, pharmaceutical inspection, and assembly line or fault inspection.

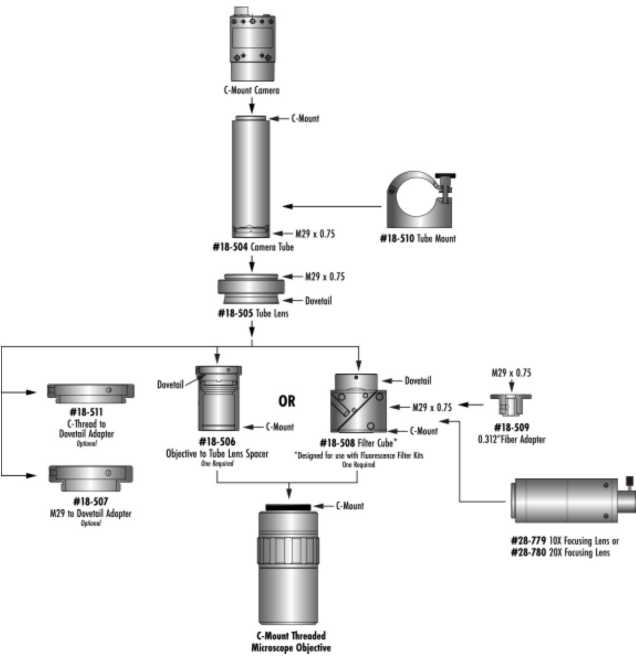
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Technical Information

Compact Tube Lens System



Standard Tube Lens System



#15-944 Reference Transmission Plot

