

2.5X 120i Plan APO Infinity Corrected Objectives



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Stock #15-940 **NEW** 1 In Stock

− 1 + A\$1,584.⁰⁰

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Product Downloads

General

Compatible Tube Lens Focal Length (mm):
Focal Length: 120mm

Type:
Microscope Objective

Style:
Infinity Corrected

Manufacturer:
Edmund Optics®

Physical & Mechanical Properties

Length (mm):

39.50

Length excluding Threads (mm):

35.50

Maximum Diameter (mm):

35

Optical Properties

Horizontal Field of View, 1/2" Sensor:

2.56mm

Horizontal Field of View, 2/3" Sensor:

3.52mm

Horizontal Field of View, 1.1" Sensor:

5.64mm

Focal Length FL (mm):

48.00

Magnification:

2.5X

Numerical Aperture NA:

0.10

Resolving Power (μm):

2.73

Depth of Field (μm):

27.50

Working Distance (mm):

22.88

Wavelength Range (nm):

370 - 700

Field Number (mm):

22.4

Parfocal Length (mm):

87.19

Sensor

Maximum Sensor Format:

1.1"

Threading & Mounting

Mounting Threads:

1" x 32 TPI

Environmental & Durability Factors

Operating Temperature ($^{\circ}\text{C}$):

+10 to +40

Regulatory Compliance

Certificate of Conformance:

[View](#)

Custom

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

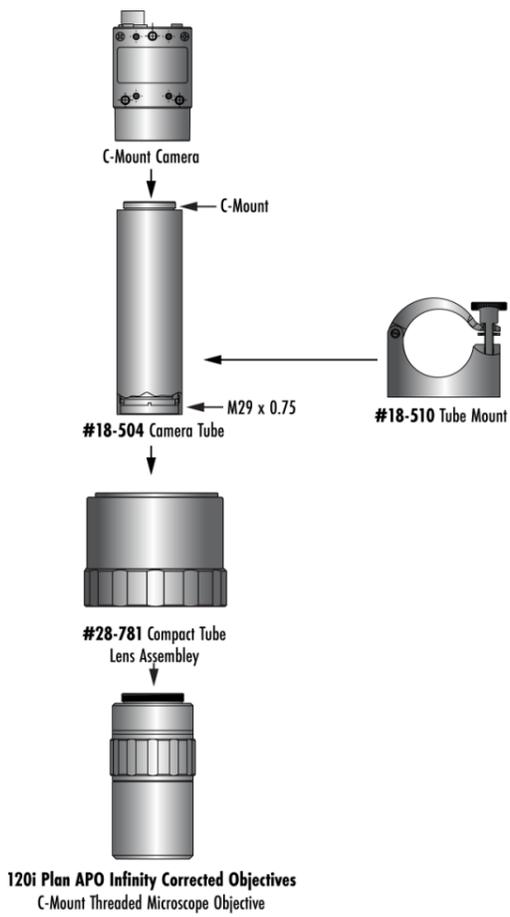
- Up to 43% Smaller than Industry Standard Systems
- Optimized Performance up to 1.1" Sensor
- Ideal for Life Science and Industrial Applications
- Winner of the [2023 Bronze VSD Innovators Award](#)

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.

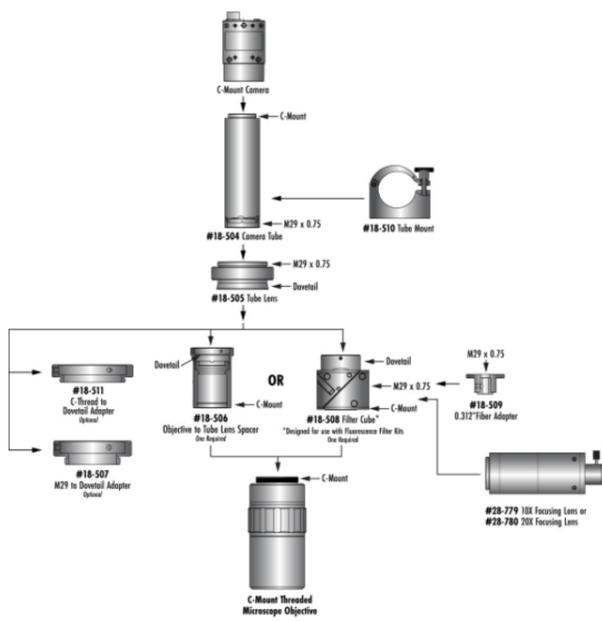
These objectives won the [2023 Bronze VSD Innovators Award](#).

Technical Information

Compact Tube Lens System



Standard Tube Lens System



#15-940 Reference Transmission Plot

