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## 20X 120i Plan APO Infinity Corrected Objectives



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



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

1  **A\$3,024<sup>00</sup>**

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

### Product Downloads

### General

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

**Type:**  
Microscope Objective

**Style:**  
Infinity Corrected

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 ( $\mu\text{m}$ ):

1.60 Depth of Field ( $\mu\text{m}$ ):

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

## 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

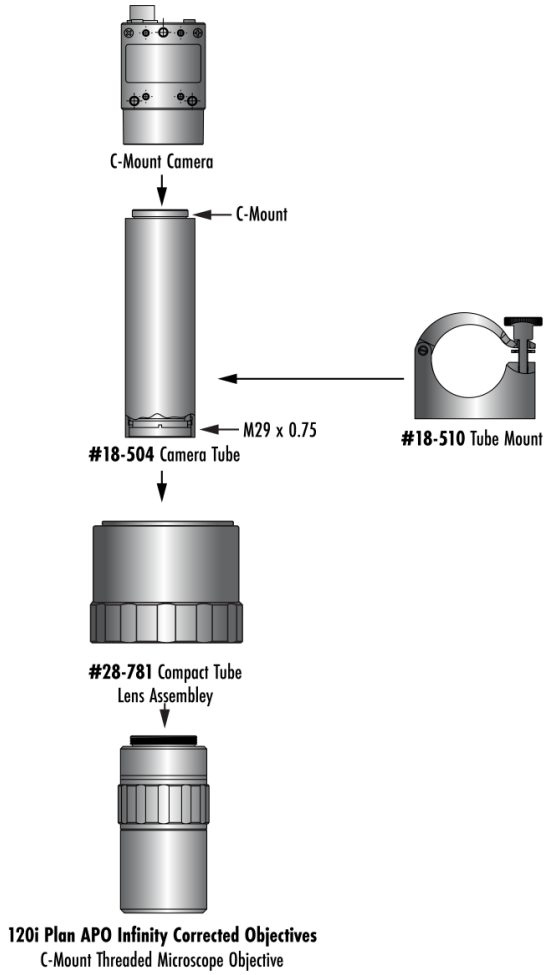
- Ideal for Life Science and Industrial Applications
- Winner of the [2023 Bronze VSD Innovators Award](#)

Edmund Optics® 120i Plan APO Infinity Corrected Objectives are infinite conjugate microscope objectives that offer exceptional 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.

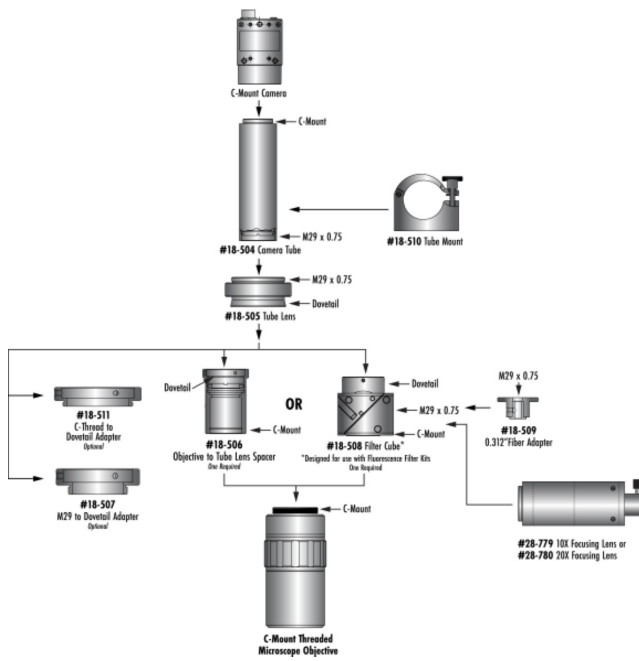
These objectives won the [2023 Bronze VSD Innovators Award](#).

## Technical Information

### Compact Tube Lens System



### Standard Tube Lens System



#15-944 Reference Transmission Plot

