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## 20X 120i Compact Microscope Kit



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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

**Microscope Objective** **Type:**

**Infinity Corrected** **Style:**

**Edmund Optics®** **Manufacturer:**

QTY 1 of 15944, 18504, 28781

**Contents of Kit:**

Basic User Assembly Required

**Note:**

## 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:

0.64mm Horizontal Field of View, 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):

## Threading & Mounting

1" x 32 TPI Mounting Threads:

## Environmental & Durability Factors

+10 to +40 Operating Temperature ( $^{\circ}\text{C}$ ):

## Regulatory Compliance

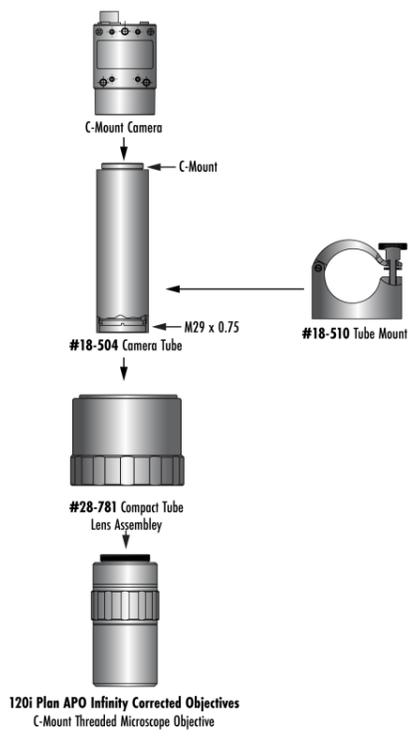
[View](#) Certificate of Conformance:

## Product Details

- Optimized Performance up to 1.1" Sensors
- Includes 120i Plan APO Objective, C-Mount Camera Tube, and Compact Tube Lens Assembly
- Ideal for Life Science and Industrial Applications

Edmund Optics® 120i Plan APO Infinity Corrected Objective System combine a 120i Plan APO Infinity Corrected Microscope Objective, a compact tube lens, and a C-mount camera tube for ease of selection and purchase. When assembled with a C-mount camera, this system provides excellent optical performance while reducing system size, weight, and overall length. The infinity corrected objectives are designed for a 1.1" sensor and offer a large field of view and reliable image quality for high-throughput imaging applications. Edmund Optics® 120i Plan APO Infinity Corrected Objective System offer exceptional image flatness and color correction over 400-700nm. These objectives are ideal for a range of life science and machine vision applications including microscopy, flow cytometry, pharmaceutical inspection, and assembly line or fault inspection.

## Technical Information



## 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](#).