

10X 120i Compact Microscope Kit



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+

₹1,59,300

Price inclusive of all taxes

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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 15943, 18504, 28781		Contents of Kit:
Basic User Assembly Required		Note:
Physical & Mechanical Properties		
Length (mm):		64.00
Length excluding Threads (mm):		64.00
Maximum Diameter (mm):		35
Weight (g):		130
Optical Properties		
Horizontal Field of View, 1/2" Sensor:		0.64mm
Horizontal Field of View, 2/3" Sensor:		0.88mm
Horizontal Field of View, 1" Sensor:		1.28mm
Focal Length FL (mm):		12.00
Magnification:		10X
Numerical Aperture NA:		0.28
Resolving Power (µm):		1.0
Depth of Field (µm):		3.60
Working Distance (mm):		14.7
Wavelength Range (nm):		400 - 700
Field Number (mm):		17.6
Parfocal Length (mm):		78.7
Threading & Mounting		
Mounting Threads:		1" x32 TPI
Environmental & Durability Factors		
Operating Temperature (°C):		+10 to +40
Regulatory Compliance		
Certificate of Conformance:		View
Country of Origin:		China
Imported By:		Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000

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

- 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

