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5X Nikon CFI60

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#58-515: 5X Nikon CFI60 TU Plan Epi

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Stock #58-515 **20+ In Stock**

1

€1.065^{,00}

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General

Model Number:	MUE12050	Compatible Tube Lens Focal Length (mm):	Focal Length: 200mm
Type:	Microscope Objective	Style:	Infinity Corrected
Manufacturer:	Nikon		

Physical & Mechanical Properties

Field of View (mm):	4.40	Length excluding Threads (mm):	36.30
Maximum Diameter (mm):	29	Weight (g):	100.00

Optical Properties

Horizontal Field of View, 1/2" Sensor:	1.28mm	Horizontal Field of View, 2/3" Sensor:	1.76mm
Focal Length FL (mm):	40.00	Magnification:	5X
Numerical Aperture NA:	0.15	Resolving Power (µm):	2.0
Depth of Field (µm):	12.22	Field of View, 22 Diameter Field Eyepiece (mm):	4.4
Field of View, 25 Diameter Field Eyepiece (mm):	5.00	Working Distance (mm):	23.5
Field Number (mm):	22	Parfocal Length (mm):	60

Immersion Liquid:	N/A	
Sensor		
Maximum Sensor Format:	2/3"	Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order. Select Your Country/Region:
Threading & Mounting		
Mounting Threads:	M25 x 0.75	
Regulatory Compliance		
RoHS 2015:	Compliant	Certificate of Conformance: View

Product Details

- Excellent Color Reproduction
- Long Working Distance and High NA
- High Contrast with Minimal Flare
- Strain Free

Nikon CF160 Infinity Corrected Brightfield Objectives are designed to meet advanced imaging requirements and are the culmination of Nikon's optical technology. The objectives offer increased brightness and the highest possible combination of working distance and numerical aperture (for light gathering ability) due to the 60mm parfocal distance and a large barrel diameter. Designed to correct lateral and axial chromatic aberrations over the entire field of view, these objectives produce high contrast and high-resolution images. Nikon CF160 Infinity Corrected Brightfield Objectives have excellent color reproduction, strain free. These brightfield objectives are offered in magnifications from 5X up to 100X.

The accessory tube lens ([#58-520](#)) can be used to focus light from the infinity corrected objective onto the image plane. For optimal performance, the distance between the tube lens and the objective's shoulder should be kept within 100-200mm. This spacing allows accessories to be inserted in the optical path to accommodate specific needs. This tube lens can be integrated into C-Mount systems using the Nikon Tube Lens to C-Mount Holder ([#11-150](#)).

Note: The four socket head cap screws must be removed to place the tube lens within the Nikon Tube Lens to C-Mount Holder.

Technical Information

	5X	10X	20X	50X	100X
A	29.0mm	29.0mm	29.0mm	30.0mm	30.0mm
B	36.3mm	42.4mm	40.9mm	48.9mm	55.4mm
C	20.0mm	17.0mm	22.5mm	21.5mm	21.5mm

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	Nikon Tube Lens to C-Mount Holder		#11-150	€175,00 Request Quote	9 In Stock <input type="text" value="1"/>
MORE+	Nikon 200mm Tube Lens		#58-520	€600,00 Request Quote	9 In Stock <input type="text" value="1"/>

Related Products



#11-148 - C-Mount Male to Nikon (M25) Female Step-Down Adapter
€52,00

Qty



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C, S, and T-Mount Extensions Tubes

Frequently Purchased Together



#03-623 - C-Mount Iris Diaphragm Mount
€226,00

Qty



#03-625 - 30mm - 50mm Length, C-Mount Fine Focus Tube
€118,00

Qty



#03-629 - C-Mount Double Male Thread Ring
€36,75

Qty



#03-639 - 24" x 8", Breadboard
€298,00

Qty

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Media Type

- Technical Tool
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- FAQ
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TECHNICAL TOOL

Infinite

APPLICATION NOTE

Understanding

APPLICATION NOTE

Using Tube Lenses with Infinity-Corrected...

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What is an infinity-corrected objective?

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Can I use an infinity-corrected objective in ...

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