

## K2 Close-Focus Objective CF-3

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Stock #39-342 **1 In Stock**

⊖ 1 ⊕ C\$1,540<sup>00</sup>

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### Product Downloads

#### General

Lens Accessory **Type:**

#### Physical & Mechanical Properties

68.00 **Length (mm):**

58.0 **Maximum Diameter (mm):**

#### Optical Properties

Horizontal Field of View, 1/2" Sensor:  
2.1 - 3.1mm

Working Distance (mm):  
95 - 122

Magnification:  
3.56X - 2.29X

Numerical Aperture (NA) Range:  
0.2 - 0.156

## Threading & Mounting

Diameter of Compatible Optics (mm):  
49

## Regulatory Compliance

RoHS 2015:  
[Compliant](#)

Reach 224:  
[Compliant](#)

Certificate of Conformance:  
[View](#)

## Product Details

- Multiple Configurations for Video/Photo/Visual Applications
- 3X Greater Magnification than Other Coaxial In-line Systems
- Highest Possible Long-Distance Resolution
- Focus from Infinity to 54mm
- Supplementary Focuser Available for CentriTel™ Capabilities

Infinity K2/DistaMax™ Long Distance Video Microscopes, recognized as the standard in long-distance microscopes, now incorporate a patent-pending IVS focus system, further improving what was already a top performer. The IVS focus system makes the K2 DistaMax™ easier to use than previous models. To begin using the K2 DistaMax™, simply choose an objective for the front and a camera mount for the rear. Infinity K2-DistaMax™ Long Distance Video Microscopes offer high magnifications and a dynamic working distance range, covering all sensors up to 35mm (43mm diagonal) formats.

The K2 DistaMax™ Single-Port package includes a manual iris for light level and depth of field control. The Dual-Port package includes a right angle mirror for switching between views (not simultaneous viewing), in addition to the parts included in the Single-Port package. The K2 DistaMax™ is ideal for applications ranging from remote vacuum chamber viewing to on-line process control.

The NWE Objective allows focus from infinity to as near as 675mm. Perhaps the most versatile K2 DistaMax™ objective, the NWE also can be used with the Microscope Objective Adapter Disc and other accessories. All objectives attach directly to a front dovetail. When combined with NWE Objective, Microscope Objective Adapter Disc, and Objective Adapter, the K2 DistaMax™ can interface common infinity-corrected microscope objectives, even when the Coaxial In-line Illuminator is used, making it a powerful direct coaxial in-line system. To enable CentriTel® for all formats simply add the CentriTel® Focuser, [#87-430](#). For viewing through an eyepiece (not included), adapter [#58-796](#) is required.

## Technical Information

| Description                         |                         | Stock No.                                 |                         |
|-------------------------------------|-------------------------|---|-------------------------|
| Main Body                           | One Required            | Video Lens - K2 Single Port               | <a href="#">#87-426</a> |
|                                     |                         | Video Lens - K2 Dual Port                 | <a href="#">#87-427</a> |
| Mount Adapter                       | One Required            | C-Mount Camera Adapter                    | <a href="#">#88-956</a> |
|                                     |                         | Nikon F-Mount Camera Adapter              | <a href="#">#42-835</a> |
|                                     |                         | 62mm Eyepiece Tube (for viewing)          | <a href="#">#58-796</a> |
| Amplifiers                          | Optional                | CF Tube (1.66x)                           | <a href="#">#65-041</a> |
|                                     |                         | DL Doubler Tube (2X Video)                | <a href="#">#39-686</a> |
|                                     |                         | Lockable Doubler Tube (2X Video)          | <a href="#">#57-714</a> |
|                                     |                         | NTX Tube 2X (Large Format)                | <a href="#">#86-892</a> |
| Components                          | Optional                | Centritel™ Focuser                        | <a href="#">#87-430</a> |
|                                     |                         | Mounting Bar                              | <a href="#">#86-888</a> |
| Objective/ Objective Adapter        | One Required            | <b>Near-Wide-Extreme Range</b>            |                         |
|                                     |                         | K2 Objective NWE                          | <a href="#">#87-428</a> |
|                                     |                         | <b>Standard Range</b>                     |                         |
|                                     |                         | K2 Objective STD                          | <a href="#">#39-339</a> |
|                                     |                         | <b>Close-Focus Range</b>                  |                         |
|                                     |                         | K2 Objective CF-1                         | <a href="#">#39-340</a> |
|                                     |                         | K2 Objective CF-1/B                       | <a href="#">#57-721</a> |
|                                     |                         | K2 Objective CF-2                         | <a href="#">#39-341</a> |
|                                     |                         | K2 Objective CF-3                         | <a href="#">#39-342</a> |
|                                     |                         | K2 Objective CF-4                         | <a href="#">#52-829</a> |
|                                     |                         | <b>High-Power Micro Range</b>             |                         |
|                                     |                         | K2 Microscope Adapter Disc                | <a href="#">#87-429</a> |
|                                     |                         | Mitutoyo/Achrovid Objective Adapter (M26) | <a href="#">#53-787</a> |
|                                     |                         | Nikon CF160 Objective Adapter (M25)       | <a href="#">#54-589</a> |
| Olympus UIS Objective Adapter (RMS) | <a href="#">#53-786</a> |   |                         |

|                                  | NWE*          | STD          | CF-1          | CF-1/B        | CF-2          | CF-3          | CF-4          |
|----------------------------------|---------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Primary Magnification            | 0.12X - 0.6X  | 1.1X - 0.34X | 1.28X - 0.61X | 1.4X - 0.8X   | 2.67X - 1.52X | 3.56X - 2.29X | 6.1X - 4.57X  |
| Field of View (1/2" sensor) (mm) | 53.3 - 10.7   | 6.74 - 20.5  | 5.0 - 12.2    | 4.6 - 9.0     | 2.8 - 4.7     | 2.1 - 3.1     | 1.2 - 1.5     |
| Numerical Aperture               | 0.006 - 0.028 | 0.051 - 0.02 | 0.088 - 0.036 | 0.083 - 0.049 | 0.136 - 0.099 | 0.2 - 0.156   | 0.204 - 0.172 |
| Working Distance (mm)            | 675 - 3000    | 370 - 946    | 215 - 530     | 228 - 388     | 140 - 192     | 95 - 122      | 54 - 64       |
| Size (Dia. x L) (mm)             | 58 x 53       | 58 x 53      | 58 x 65       | 58 x 53       | 58 x 41       | 58 x 68       | 48 x 54.7     |

\*NWE Objective will focus to infinity.