

K2 Video Lens - Dual Port

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#87-427: K2 Video Lens - Dual Port

Stock **#87-427** [CONTACT US](#)

⊖ 1 ⊕ C\$13,426⁰⁰

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General

Long Distance Microscope **Type:**

Dual Port **Style:**

Physical & Mechanical Properties

Manual **Iris Option:**

290.00 **Length (mm):**

3.5 **Weight (lbs):**

Optical Properties

43.30 **Maximum Image Circle (mm):**

Image Orientation:
Inverted (straight); Erect, right to left reverse (top dual part)

Objective Required **Primary Magnification PMAG:**

f/1.2 - f/30 **Aperture (f#):**

Continuously Variable **Depth of Field (mm):**

Sensor

35mm (43.3mm Image Circle) **Maximum Sensor Format:**

Threading & Mounting

Ring clamp with 1/4-20 tap **Mounting Threads:**

Adapter Required **Mount:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **Reach 224:**

[View](#) **Certificate of Conformance:**

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 #87-426
		Video Lens - K2 Dual Port #87-427
Mount Adapter	One Required	C-Mount Camera Adapter #88-956
		Nikon F-Mount Camera Adapter #42-835
		62mm Eyepiece Tube (for viewing) #58-796
Amplifiers	Optional	CF Tube (1.66x) #65-041
		DL Doubler Tube (2X Video) #39-686
		Lockable Doubler Tube (2X Video) #57-714
		NTX Tube 2X (Large Format) #86-892
Components	Optional	Centritel™ Focuser #87-430
		Mounting Bar #86-888
Objective/ Objective Adapter	One Required	Near-Wide-Extreme Range
		K2 Objective NWE #87-428
		Standard Range
		K2 Objective STD #39-339

Close-Focus Range	
K2 Objective CF-1	#39-340
K2 Objective CF-1/B	#57-721
K2 Objective CF-2	#39-341
K2 Objective CF-3	#39-342
K2 Objective CF-4	#52-829
High-Power Micro Range	
K2 Microscope Adapter Disc	#87-429
Mitutoyo/Achrovid Objective Adapter (M26)	#53-787
Nikon CF160 Objective Adapter (M25)	#54-589
Olympus UIS Objective Adapter (RMS)	#53-786

	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.