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K2 Near-Wide-Extreme Objective NWE

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#87-428: K2 Near-Wide-Extreme Objective NWE

Stock **#87-428** **1 In Stock**

- 1 + **C$1,295.00**

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Volume Pricing	
Qty 1+	**C$1,295.00** each
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Numerical Aperture (NA) Range:
0.006 - 0.028

General

Type:
Lens Accessory

Physical & Mechanical Properties

Length (mm):
53.00

Maximum Diameter (mm):
58.0

Optical Properties

Horizontal Field of View, 1/2" Sensor:
53.3 - 10.7

Working Distance (mm):
675 - 3,000

Magnification:
0.12X - 0.6X

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	#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 (½" 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.

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