AF4935ZTLE

Brand: Product Code: AF4935ZTLE

Short Description

10x~200x magnification Extended Depth of Field (EDOF) Extended Dynamic Range (EDR) Flexible LED Control (FLC) Automatic Magnification Reading (AMR)

Description

The Dino-Lite AF4935ZTLE is part of the Long Working Distance (LWD) series and connects to your device via USB. The AF4935ZTLE is Wireless-ready, but requires the (optional) WF-20 to make it a fully wireless solution.

In comparison, the AF4x35 series provides a similar working distance range but achieves higher magnifications compared to the AM4x15 series.



The AF4935ZTLE is equipped with premium features such as Extended Depth of Field (EDOF), Extended Dynamic Range (EDR), Flexible LED Control (FLC), integrated polarizer, extensive measurement functionality and Automatic Magnification Reading (AMR) for measurement-intensive applications.

The main features of the AF4935ZTLE are:

- Wireless-ready, requires the WF-20 adapter (optional)
- 10x~200x magnification
- 1.3 Megapixel Edge sensor
- Adjustable polarizer
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- And more...

(*EDOF/EDR only functions under Windows OS)

Working distance/field of view/depth of field							
Magnification	Working	Field of View(x)	Field of	Depth of Field			
Rate	Distance *		View(y)				
Listed values	* Without front			Unit = mm			
may differ	cap						
slightly							
10	357.7	39.1	29.3	55.3			
20	174.6	19.5	14.7	14.5			
30	114.5	13.0	9.8	6.7			
40	85.2	9.8	7.3	4.1			
50	68.2	7.8	5.9	2.9			
60	57.3	6.5	4.9	2.2			
70	50.0	5.6	4.2	1.7			
80	44.8	4.9	3.7	1.4			
90	41.1	4.3	3.3	1.2			
100	38.4	3.9	2.9	1.0			
110	36.5	3.6	2.7	0.9			
120	35.1	3.3	2.4	0.8			
130	34.2	3.0	2.3	0.7			
140	33.6	2.8	2.1	0.7			
150	33.3	2.6	2.0	0.6			
160	33.2	2.4	1.8	0.5			
170	33.3	2.3	1.7	0.5			
180	33.5	2.2	1.6	0.5			
190	33.8	2.1	1.5	0.4			

Working distance/field of view/depth of field

200	34.3	2.0	1.5	0.4

Specification

Specification		
Lighting		
Light/ LED type	White	
Light/ LED type	Wireless-ready, requires the WF-20 adapter	
	(optional)	
Number of LEDs	8	
LED on/off switchable:	Yes	
Infrared filter	IR cut-filter >650 nm	
Diffuser available	Yes (N3C-D included)	
Emission filter	No	
Polarizer	Yes, linear	
Optics		
Magnification	$10x \sim 200x$	
Macro zoom	No	
Working distance	Long	
Lens type	Glass with anti-reflection coating	
Sensor		
Sensor type	CMOS	
Resolution	1.3 Megapixel (1280x1024)	
Maximum frame rate	30 fps	
Compatibility		
Interface	USB 2.0	
Operating system	Windows 7, 8, 10 & 11, MacOS 10.12 and up"	
Software	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)	
Supported image formats	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA,	
(Windows)	PCX, MNG, WBMP, JP2, JPC, PGX	
Supported video formats (Windows)	WMV, FLV, SWF	
Supported image formats	JPEG, PNG	
(MacOS)		
Supported video formats	MOV	
(MacOS)		
Imaging standards	DirectShow, UVC	
Housing		
Housing material	Composite/ plastic housing	
Magnification lock	Yes	
Dimensions	11.4cm (L) x 3.3cm (D)	
Weight	111g	
Cable length	1.8m	

Features		
Special feature	Automatic Magnification Reading (AMR),	
	Extended Dynamic Range (EDR), Extended Depth	
	of Field (EDOF), Flexible LED Control (FLC)	
Measurement	Yes	
Calibration	Yes	
Microtouch sensor	Yes	
ESD safe	No	
Information		
Package contents	Microscope, carry pouch, software CD, calibration	
	target, user manual, N3C-O- Open cap, N3C-C-	
	Closed cap, N3C-D- Diffuser cap, N3C-E-	
	Extension cap, N3C-L- Long cap, N3C-S- Side	
	light cap	
Warranty information	2 years European warranty	
Regulatory approval	CE, FCC, ROHS	
Price range	€850,00 - €1050,00	
Product Gallery		