

AF4935ZTLE

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.

 USB 2.0	 1,3 Megapixels 1280 x 1024	 Adjustable ~10-200x
 Magnification lock	 Polarizer anti-reflection	 Measurement functionality
 Flexible LED Control FLC	 Exchangeable cap	 Automatic Magnification Reading (AMR)
 Extended Depth Of Field EDOF	 Long working distance	

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 Rate	Working Distance *	Field of View(x)	Field of View(y)	Depth of Field
Listed values may differ slightly	* Without front cap			Unit = mm
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
200	34.3	2.0	1.5	0.4

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 ~ 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 (Windows)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX
Supported video formats (Windows)	WMV, FLV, SWF
Supported image formats (MacOS)	JPEG, PNG
Supported video formats (MacOS)	MOV
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