

AF4515-FKT

Dino-Lite Edge



Equipped with a 780 nm light, AF4515-FKT is suitable for examining targets with infrared transmissive or reflective surfaces. This model is compatible with WF-20 Wi-Fi streamer to transform AF4515-FKT into a wireless digital microscope.

Overview

780 nm IR illumination

780 nm Near-Infrared lights to illuminate specimens.

1.3 Megapixels

Thanks to the low loss MJPEG compression, the advanced CMOS image sensor allows to transmit fluid and crisp image with resolution up to 1280x1024.

Adaptable interface

The adaptable interface provides the capability of transforming Dino-Lite into a wireless microscope when attaching with WF-20.

Adjustable LED intensity

The LED intensity could be adjusted within six levels for providing further illumination flexibility.

Automatic Magnification Reading (AMR)

Without the hassle to stop and check the magnification for doing a measurement, the AMR detects the magnification rate automatically through the software, making the measurement be a more efficient, accurate, and pleasant process.

Scroll Lock

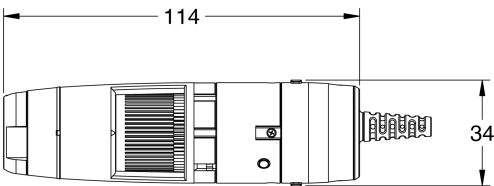
The scroll lock ensures the focus knob staying at the desired focus or magnification position without worry of unintentional movement.

Interchangeable caps

The interchangeable caps provide adaptability to numerous applications with alternative lighting or object interface.

Specification

Model	AF4515-FKT
Series	Dino-Lite Edge
Interface	USB 2.0
Resolution	2.0 Megapixel (1280 x 1024)
Magnification	20x ~ 220x
Frame Rate	15fps at 1.3MP, MJPEG 30fps at VGA, MJPEG
System Requirements	CPU: 2.5 GHz dual-core Intel Core i5 equivalent or greater RAM: 4 GB or more HD: 150 MB space available or more
Operating System	Windows 7/8/10/11 macOS 10.14 or later
Saving Format	Image: DinoCapture 2.0: BMP, PNG, TIF, JPG

	DinoCapture 3.0: BMP, PNG, TIF, JPG DinoXscope: PNG, JPEG Video: DinoCapture 2.0: WMV, FLV, SWF DinoCapture 3.0: MP4 DinoXscope: MOV
Measurement Function	Yes
Calibration Function	Yes
Microtouch	Yes
Scroll Lock	Yes
Illumination	IR Light (780 nm), 8 LEDs
Included Front Caps	N3C-C (Close Cap) N3C-E (Extended Open Cap) N3C-L (Long Cap) N3C-O (Open Cap)
Unit Dimension	114 mm (H) x 34 mm (D) 
Unit Weight	111 g

Optical Data Table

M	WD	FOV (x)	FOV (y)	DOF
20	60.2	19.5	15.6	2.5
30	33.5	13	10.4	1.8
40	20.9	9.8	7.8	1.5
50	13.9	7.8	6.3	

60	9.7	6.5	5.2	
70	7.1	5.6	4.5	1.0
80	5.5	4.9	3.9	
90	4.5	4.3	3.5	
100	4.1	3.9	3.1	
110	4	3.6	2.8	
120	4.1	3.3	2.6	
130	4.5	3	2.4	
140	5	2.8	2.2	
150	5.6	2.6	2.1	
160	6.3	2.4	2	
170	7.1	2.3	1.8	
180	8	2.2	1.7	
190	8.9	2.1	1.6	
200	9.9	2	1.6	
210	10.9	1.9	1.5	
220	11.9	1.8	1.4	0.1

M = magnification rate WD = working distance (without front cap) FOV = field of view
DOF= depth of field Unit = mm

<https://www.dinolite.us>

Toll-free: 888-668-2442

Local: 310-618-9990

International: +1 310 618 9990

Sales: sales@dinolite.us

Support: support@dinolite.us

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