

AF4115ZTW

Dino-Lite Edge



Summary

Suitable for macroscopic applications, Dino-Lite 1.3 MP AF4115ZTW provides a wide-angle view of the target with a 10-50x magnification rate. AF4115ZTW can connect to Wi-Fi streamer WF-20 and provide wireless transmission of images and videos.

Overview

1.3 Megapixels

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

Adaptable interface

Attach Wi-Fi streamer WF-20, and transform the Dino-Lite into a wireless digital microscope.

Wide Field of View (WFOV)

This significant feature is specially designed to provide large FOV at a reasonable working distance while keeping crisp image over the whole image for macro-view observation.

Flexible LED Control (FLC)

Tasking with software, the FLC maximizes illumination flexibility by offering independent on/off control of the four LED quadrants in addition to the 6-levels intensity adjustment capability.

Adjustable polarizer

The built-in adjustable polarizer allows to remove freely the unwanted reflection or glare from the object surface for a better contrast.

Scroll Lock

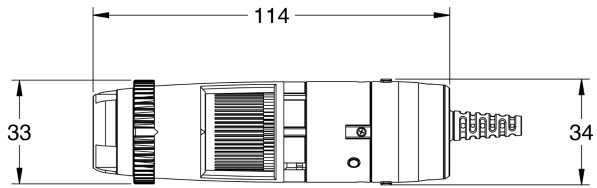
The scroll lock ensures the focus knob staying at the desired focus or magnification position without worry of unintentional movement.

Interchangeable caps

The interchangeable caps provide adaptability to numerous applications with alternative lighting or object interface, such as but not limited to diffused-light, ring-light, and coaxial-light etc.

Specification

Model	AF4115ZT
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 DinoXcope: 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	White Light, 8 LEDs
Included Front Caps	N3C-C (Close Cap) N3C-D (Diffuser Cap) N3C-D2 (Opal Diffuser Cap) N3C-E (Extended Open Cap) N3C-L (Long Cap) N3C-O (Open Cap) N3C-S (Sidelight Cap)
Unit Dimension	114 mm (H) x 34 mm (D) 
Unit Weight	111 g

Optical Data Table

T Zone

M	WD	FOV (x)	FOV (y)	DOF
50	14	9	7	3
40	42	11	9	5
30	64	15	12	9
20	119	23	19	21
15	182	30	24	39

W Zone

M	WD	FOV (x)	FOV (y)	DOF
30	11	14	11	6
20	25	25	20	13
15	39	31	25	22
10	68	41	33	51
5	156	98	78	250

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

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Schedule a free online demo!

<https://www.dinolite.us/meeting>