

AM7115MZTW

Brand: Dino-Lite
Product Code: AM7115MZTL



Short Description

5 Megapixel resolution
Robust metal housing
Wide Field of View (WFOV)
Wide Field of View (WFOV)
Flexible LED Control (FLC)

Description

Designed for macro-view observation, the 5MP Edge AM7115MZTW provides wide field-of-view while offering large depth-of-field within a magnification range of 10X-50X. With astonishing image quality and illumination flexibility inherited from 5MP Edge series, the AM7115MZTW can be accommodated to a wide range of demanding imaging tasks.



USB 2.0



Flexible LED
Control FLC



Measurement
functionality



Metal
housing



5 megapixel
2592 x 1944



8 White LEDs
switchable



Magnification lock



Adjustable ~10-50x



Polarizer anti-reflection



Exchangeable cap

The superior optics adopted in the Edge series reveals the finest details, answering the needs of the most demanding microscopy applications. Thanks to the low loss MJPEG compression, the advanced CMOS image sensor allows to transmit fluid and crisp image with resolution up to 2592x1944. 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.

The main features of the AM7115MZTW are:

- 5 Megapixel Edge sensor
- Wide Field of View (WFOV)
- 10X~50X magnification
- Integrated polarizer
- Aluminum housing
- Flexible LED Control (FLC)
- Extensive measurement functions
- Calibration
- Exchangeable front caps
- And more...

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				
T Zone				
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

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
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ON RATE	DISTANCE*	VIEW(X)	VIEW(Y)	FIELD
Listed values may differ slightly		* Without front cap		Unit = mm
		W Zone		
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

Specification

Lighting	
Light/ LED type	White
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~50X
Macro zoom	No
Working distance	Standard
Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	5 Megapixel (2592x1944)
Maximum frame rate	30 fps
Compatibility	
Interface	USB 2.0
Operating system	Windows 7, 8, 10 & 11, MacOS 10.9 and up
Included 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 (max 1.3MP)

Imaging standards	DirectShow, UVC
Wifi	Wireless-ready, requires the WF-10 WiFi streamer (optional)
Housing	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	10.5cm (L) x 3.2cm (D)
Weight	135gr
Cable length	1.8m
Features	
Special feature	Flexible LED Control (FLC)
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	Yes
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	€900,00 - €1100,00

Product Gallery