



The AM7515MZT was made to be tool of choice for measurement-oriented industrial applications, adding efficiency and accuracy of measurement with AMR to the Dino-Lite 5MP Edge series. Not to mention, the AM7515MZT delivers stunningly sharp and fluid image, and it provides illumination freedom through the use of FLC, polarizer and interchangeable caps.

Overview



High optical resolution

The superior optics adopted in the Edge series reveals the finest details, answering the needs of the most demanding microscopy applications.



5.0 Megapixels

Thanks to the low loss MJPEG compression, the advanced CMOS image sensor allows to transmit fluid and crisp image with resolution up to 2592x1944.



Flexible LED Control (FLC)

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



Adjustable polarizer

The built-in adjustable polarizer allows to freely remove 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.



Robust housing

The metal housing made of aluminum alloy offers compelling advantages of protection and endurance.



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.

Interchangeable front caps



N3C-C / Close Cap

This cap protects the lens and LED lights from contamination of dust, debris, or moisture.



N3C-D / Diffuser Cap

This cap diffuses the LED light.



N3C-D2 / Opal Diffuser Cap

This cap diffuses the LED light.



N3C-E / Extended Open Cap

Dino-Lite Edge (stand type) will focus at approximately 200x when the cap touches surface.



N3C-L / Long Cap

This cap is useful to adjust the working focus of Dino-Lite Edge at lower magnification.



N3C-O / Open Cap

This is the standard cap for normal usage.



N3C-S / Sidelight Cap

This cap creates images with more depth and texture.

Information about working distance and field of view

M	WD	FOV (x)	FOV (y)	DOF
20	60.2	19.5	14.6	2.5
30	33.5	139.7	1.8	
40	20.9	9.8	7.3	1.5
50	13.9	7.8	5.8	
60	9.7	6.5	4.8	
70	7.1	5.6	4.2	1.0
80	5.5	4.9	3.6	
90	4.5	4.3	3.2	
100	4.1	3.9	2.9	
110	4.0	3.6	2.7	
120	4.1	3.3	2.4	
130	4.5	3.0	2.2	
140	5.0	2.8	2.1	
150	5.6	2.6	1.9	
160	6.3	2.4	1.8	
170	7.1	2.3	1.7	
180	8.0	2.2	1.6	
190	8.9	2.1	1.5	
200	9.9	2.0	1.5	
210	10.9	1.9	1.4	
220	11.9	1.8	1.3	0.1

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

Specification

Model	AM7515MZT Dino-Lite Edge
Interface	USB 2.0
Product Resolution	5M pixels (2592x1944)
Magnification	10X~50X
Frame Rate	10fps in 5MP/3MP/2MP, MJPEG 25fps in 1.3MP, MJPEG 30fps in VGA, MJPEG
Lighting	8 white LEDs
Polarizer	Yes
Microtouch	Yes
Operating System Supported	Windows 10, 8, 7, Vista, XP Mac OS 10.9 or later

System Requirements

- Intel Core2 Duo @ 2.20 GHz/AMD Athlon X2 Dual Core BE-2400 (2.3GHz)
- 20GB available HD space
- 2GB available RAM or more
- 512MB video card or more
- CD-ROM drive for installation
- USB 2.0

Calibration Function	Yes
Measurement Function	Yes
Unit Dimension	10.5cm (H) x 3.2cm (D)
Unit Weight	135g

