

AM7515MZTL

Integrated with AMR and featured with LWD optics, the AM7515MZTL is ideally suited to measurement-oriented industrial applications while longer working distance is required. As a member of Edge series, the AM7515MZTL delivers stunningly sharp and fluid image, as well as large illumination flexibility through the use of FLC, polarizer, and interchangeable caps.



Also work with Accessory - [N3C-R](#) (Ring Light Cap)



Overview

Specification



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.



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.



Long-Working-Distance (LWD) optics

The LWD optics yields more working space between the LWD object and the microscope, making it ideal for applications such as repairing or assembly.



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
10	234.5	39.0	29.2	12.0
20	112.5	19.5	14.6	4.5
30	72.5	13.0	9.7	3.1
40	54.5	9.8	7.3	1.8
50	43.5	7.8	5.8	1.2
60	37.5	6.5	4.8	0.9
70	33.7	5.6	4.2	0.6
80	31.3	4.9	3.6	0.5
90	29.9	4.3	3.2	0.37
100	29.2	3.9	2.9	0.28
110	29.1	3.5	2.6	0.22
120	29.3	3.3	2.4	0.17
130	29.8	3.0	2.2	0.12
140	30.5	2.8	2.1	0.09



M = magnification rate
Unit = mm

WD = working distance (without front cap)

FOV = field of view

DOF= depth of field

PRODUCTS

- Handheld Digital Microscope (USB)
- Handheld Digital Microscope (TV/D-Sub/DVI)
- Dino-Eye Eyepiece Camera
- Accessories

APPLICATIONS

- Industry
- Health care
- Jewelry/Collectibles
- Science & Education
- Forensic

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