

# AM7115MZTL

Dedicated to provide ample space for working under, the AM7115MZTL, a Long-Working-Distance(LWD) version of Dino-Lite 5MP Edge series, delivers superior image at 10x-140x magnification with greatest illumination flexibility. The AM7115MZTL is able to provide long working distance with fluent and crisp live image through the use of cutting-edge optics, advanced 5MP sensor, and low-loss MJPEG compression. The innovative Flexible LED Control (FLC) enables partial illumination to enhance edge contrast and provides intensity adjustability for better adaptability. Together with adjustable polarizer, interchangeable front caps, rugged metal housing, the AM7115MZTL is made to be the tool of choice for wide range of applications.



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.



### Long-Working-Distance (LWD) Optics

The LWD optics yields more working space between the 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.



### Interchangeable








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.



### Robust Housing

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

#### Interchangeable Front Caps

[N3C-C] Close Cap	[N3C-D] Diffuser Cap	[N3C-D2] Opal Diffuser Cap	[N3C-E] Extended Open Cap
			
This cap protects the lens and LED lights from contamination of dust, debris, or moisture.	This cap diffuses the LED light.	This cap diffuses the LED light.	Dino-Lite Edge (stand type) will focus at approximately 200x when the cap touches surface.
[N3C-L] Long Cap	[N3C-O] Open Cap	[N3C-S] Sidelight Cap	
			
This cap is useful to adjust the working focus of Dino-Lite Edge at lower magnification.	This is the standard cap for normal usage.	This cap creates images with more depth and texture.	

### Specification

Model	AM7115MZTL Dino-Lite Edge
Interface	USB 2.0
Product Resolution	5M pixels (2592x1944)
Magnification	10x~140x
Frame Rate	10fps in 5MP/3MP/2MP, MJPEG 25fps in 1.3MP, MJPEG 30fps in VGA, MJPEG
Lighting	8 white LEDs
Microtouch	Yes
Operating System Supported	Windows 10, 8, 7, Vista, XP Mac OS 10.4 or later
Calibration Function	Yes
Measurement Function	Yes
Unit Dimension	10.5cm (H) x 3.2cm (D)
Unit Weight	125g

**Information about working distance and field of view**

<b>M</b>	<b>WD</b>	<b>FOV (x)</b>	<b>FOV (y)</b>	<b>DOF</b>
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    WD = working distance (without front cap)    FOV = field of view    DOF= depth of field    Unit = mm