

AM5218MZTL



The Dino-Lite Edge DVI series, the AM5218MZTL provides stunning images with 10-140X magnification with low latency streaming. Connecting directly to a LCD monitor with 720p, the AM5218MZTL can be well-suited to a host of applications where space or security is a concern.

Overview



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.



DVI interface

The DVI interface allows Dino-Lite to deliver real-time images to a LCD monitor without the presence of a computer.



High optical resolution

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



Microtouch button

This touch-sensitive button allows to freeze/unfreeze image or to control the LED on/off with a long-tap.



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, 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	23.4	12.0
20	112.5	19.5	11.7	4.5
30	72.5	13.0	7.8	3.1
40	54.5	9.8	5.9	1.8
50	43.5	7.8	4.7	1.2
60	37.5	6.5	3.9	0.9
70	33.7	5.6	3.4	0.6
80	31.3	4.9	3.0	0.5
90	29.9	4.3	2.6	0.37
100	29.2	3.9	2.3	0.28
110	29.1	3.5	2.1	0.22
120	29.3	3.3	2.0	0.17
130	29.8	3.0	1.8	0.12
140	30.5	2.8	1.7	0.09

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

Specification

Model : AM5218MZTL Dino-Lite Edge
Interface : DVI
Product Resolution : HD 720p
Magnification : 5x~140x
Frame Rate : 60fps
Sensor : Color CMOS
Microtouch : Yes
Unit Dimension : 10.5cm (H) x 3.2cm (D)
Unit Weight : 140g