



The Dino-Lite AM5216ZT is one of the latest Edge series D-sub microscopes to feature improved optics for sharper images. It easily allows for the observation of objects at touch proximity within its wide magnification range (20X~220X.) Capable of 60 frames per second at 720p resolutions, this model is ideal for observing specimens effectively with minimum lag while in motion.

It comes with an adjustable polarizer to help suppress unwanted glare or reflections. With this feature, it is suitable for a wide range of applications including the inspection, repair and assembly involving reflective or translucent materials, with examples such as soldering, quality inspection, or jewelry fabrication.

The MicroTouch button on this model is configured to quickly freeze video frames with a single tap of a finger, or to control on/off the LEDs. The scroll lock on the magnification dial is able to secure the dial and fix the focus and magnification, which can be helpful to prevent unintentional rotations of the dial in some applications.

The AM5216ZT does not require a computer or bundled software to operate, but instead functions through a VGA monitor connected via the D-sub interface. Thanks to the simplicity of system configuration and minimized maintenance requirement, the largely reduced overall system and operating cost together with the high image quality makes it ideal for use beyond industrial application.

Overview



High quality optics

This Dino-Lite Edge series microscope maximizes observed details with state-of-the-art lens design and super sharp resolving power.



Adjustable polarizer

This model includes a freely adjustable polarizer that is useful for suppressing unwanted glare or reflection from object surface to any extent, making it ideal for most applications.



Convenient flexible magnification

The Dino-Lite is capable of variable magnification with a range of 20~220x depending of working distance by simply zooming in or out with just a rotating dial.



D-sub Interface

Connect the AM5216T directly into a VGA monitor which supports 720p resolutions through the D-sub interface for absolute convenience. This model operates without the presence of a computer, making it suitable for managing your observations in a simple system configuration.



MicroTouch button

Freeze video frames quickly and conveniently with the MicroTouch button. This small, round, touch-sensitive button allows you to easily freeze and observe photos with a single tap of a finger. To switch on/off the LED lights, simply hold the button for two seconds.



Adaptable cap design

This model features a detachable and interchangeable front cap that extends its range of use, as different caps are available for various applications. Removing the front cap provides greater working distance and access to the full magnification range.

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	15.6	2.5
30	33.5	13	10.4	1.8
40	20.9	9.8	7.8	1.5
50	13.9	7.8	6.3	
60	9.7	6.5	5.2	
70	7.1	5.6	4.5	1.0
80	5.5	4.9	3.9	
90	4.5	4.3	3.5	
100	4.1	3.9	3.1	
110	4	3.6	2.8	
120	4.1	3.3	2.6	
130	4.5	3	2.4	
140	5	2.8	2.2	
150	5.6	2.6	2.1	
160	6.3	2.4	2	
170	7.1	2.3	1.8	
180	8	2.2	1.7	
190	8.9	2.1	1.6	
200	9.9	2	1.6	
210	10.9	1.9	1.5	
220	11.9	1.8	1.4	0.1

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

Specification

Model : AM5216ZT Dino-Lite Edge

Interface : D-sub

Product Resolution : 720p

Magnification Rate : 20~220x

Sensor : Color CMOS

Frame Rate : Fix 60fps

Microtouch : LED On/Off – Tap and hold for two seconds

Freeze/unfreeze frame – Tap

Lighting : 8 white LEDs

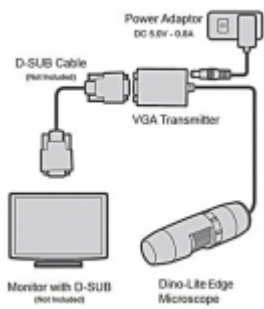
Polarizer : Yes

Unit Weight : 105g

Unit Dimension : 10.5cm (H) x 3.2cm (D)

Package Dimensions : 16cm(L) x 16cm(W) x 6cm(H)

Gallery



System Configuration



RK-10 with AM5216ZT



AM5216ZT with monitor