AM5216T

The Dino-Lite Edge AM5216T is a simple yet professional D-sub microscope designed to observe objects within its 20X to 220X magnifying capability. Based on the Edge series improved optics, this model is designed to deliver stunning image sharpness through a supporting 720p resolutions screen at 60fps.

The MicroTouch button on the AM5216T 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.

For the Dino-Lite Edge series microscopes, there are interchangeable front caps available to suit different purposes. The current available options are close cap, open cap, diffuser cap, extended cap, long cap, and sidelight cap.

The AM5216T 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.

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 : AM5216T 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
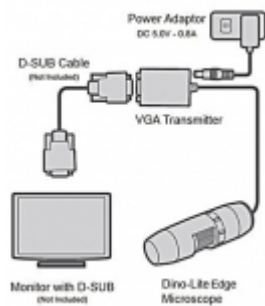Freeze/unfreeze frame – Tap
Lighting : 8 white LEDs
Unit Weight : 105g
Unit Dimension : 10.5cm (H) x 3.2cm (D)
Package Dimensions : 16cm(L) x 16cm(W) x 6cm(H)

Gallery

System Configuration