

AM73115MZT



Empowered with USB 3.0 interface, the Dino-Lite Edge 3.0 series AM73115MZT delivers exceptional sharp and fluent images operated within a range of 10-220x magnifications. With compression eliminated, the AM73115MZT can reveal the finest detail to fully unleash the power of the Edge optics. Thanks to USB 3.0, the AM73115MZT is capable of providing 15FPS at 5MP or 45FPS at 1.3MP resolutions, allowing the unit to be used in a more demanding application.

Overview



High-speed transmission Through the use of USB 3.0 interface, the device is capable to obtain smooth and high-quality image at up to 15FPS at 2560x1920 or 45FPS at 1280x960.



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 The advanced CMOS image sensor allows to transmit sharp and crisp image with resolution up to 2560x1920 without compression.



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.



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

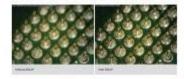
М	WD	FOV (x)	FOV (y)	DOF
10	136.0	37.8	28.3	
20	60.2	19.5	14.6	2.5
30	33.5	13.0	9.7	1.8
40	20.9	9.8	7.3	1.5
50	13.9	7.8	5.8	
60	9.7	6.5	4.8	
70	7.1	5.6	4.2	1.0
80	5.5	4.9	3.6	
90	4.5	4.3	3.2	
100	4.1	3.9	2.9	
110	4.0	3.6	2.7	
120	4.1	3.3	2.4	
130	4.5	3.0	2.2	
140	5.0	2.8	2.1	
150	5.6	2.6	1.9	
160	6.3	2.4	1.8	
170	7.1	2.3	1.7	
180	8.0	2.2	1.6	i attant
190	8.9	2.1	1.5	
200	9.9	2.0	1.5	
210	10.9	1.9	1.4	
220	11.9	1.8	1.3	0.1

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

Specification	
Model	AM73115MZT Dino-Lite Edge 3.0
Interface	USB 3.0
Product Resolution	5M pixels (2560x1920)
Magnification	10x~220x
Frame Rate	15fps at 5MP, YUY2 (USB 3.0) 45fps at 1.3MP, YUY2 (USB 3.0) 15fps at 1.3MP, YUY2 (USB 2.0)
Lighting	8 white LEDs
Polarizer	Yes
Microtouch	Yes
Operating System Supported	Windows 10, 8, 7 Mac OS 10.9 or later
System Requirements	 Intel® Core™ i5 3.2GHz 20GB available HD space 8GB available RAM or more 2GB video card or more CD-ROM drive for installation USB 3.0 with intel chipset
Calibration Function	Yes
Measurement Function	Yes
Unit Dimension	11.9cm (H) x 3.3cm (D)
Unit Weight	110g

Gallery









Componet

IC

Watch

Ply