



Also work with Accessory - N3C-R (Ring Light Cap)

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



#### 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.



#### 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

| M   | WD    | FOV (x) | FOV (y) | DOF  |
|-----|-------|---------|---------|------|
| 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

#### 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<br>25fps in 1.3MP, MJPEG<br>30fps in VGA, MJPEG |
| Lighting                   | 8 white LEDs  |
| Polarizer                  | Yes   |
| Microtouch                 | Yes   |
| Operating System Supported | Windows 10, 8, 7, Vista, XP<br>Mac OS 10.9 or later                         |

#### System Requirements

- Intel Core2 Duo @ 2.20 GHz/AMD Athlon X2 Dual Core BE-2400 (2.3GHz)
- 20GB available HD space
- 2GB available RAM or more
- 512MB video card or more
- CD-ROM drive for installation
- USB 2.0

|                      |                        |
|----------------------|------------------------|
| Calibration Function | Yes                    |
| Measurement Function | Yes                    |
| Unit Dimension       | 10.5cm (H) x 3.2cm (D) |
| Unit Weight          | 135g                   |

