

AM5216TL



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

The Dino-Lite AM5216TL is one of the latest Edge series D-sub microscopes with long working distance (LWD) feature. When compared to standard magnification models like the AM5216T, this LWD model yields higher magnification and larger depth of field under the same working distance though the highest attainable

magnification is smaller. This feature provides greater clearance between the microscope and the viewing object, which can be helpful for applications such as repairing or assembling.

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 AM5216TL 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.



#### Largest magnification range with long working distance

The wide magnification range (10x to 140x) is achieved with long working distances greater than 29mm (without front cap), which can be helpful when clearance is required between the microscope and the viewing object.



#### D-sub Interface

Connect the AM5216ZTL 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.

Model : AM5216TL Dino-Lite Edge

Interface : D-sub

Product Resolution : 720p

Magnification Rate : 10~140x

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)



N3C-R (Ring Light Cap)

In most macro observation, a ring light may help to reveal more details by generating shadow-less illumination. Working seamlessly with the Dino-Lite Edge series, the N3C-R front cap is a unique and the simplest solution designed to provide ring illumination for a microscope. The 6.5 cm (2.5 inch) diameter N3C-R fully utilizes the Dino-Lite's built-in LEDs by redirecting it to form a focused, diffused, and uniform ring-light. For polarizer model such as AM4115ZT, the polarizer can still be used for suppressing the unwanted glare or reflection when using with N3C-R. Without the clutter of mounting and powering an external ring light, thus no heat and noticeable weight been added, the clip-on N3C-R economically provides alternative illumination and adds more flexibility to Dino-Lite's applications.

Note: The N3C-R has best working distance in the range of about 2 to 15 cm. It may not be suitable for short working distance operation, and is not compatible with high magnification models such as AM4515T5 or AM4515T8.

Specification

- Model : N3C-R Ring Light Cap
- Compatible Dino-Lite Models L Dino-Lite Edge LWD models (TL, ZTL)
- Unit Dimension : 15.5 mm (H) x 65 mm (D)
- Materials : Polycarbonate with sputtered aluminum coated
- Unit Weight : approx. 8 g

Gallery



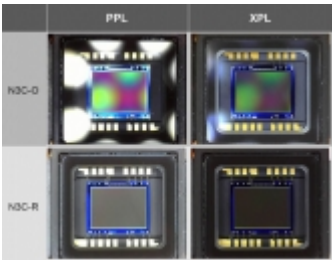
Ring light projected through N3C-R



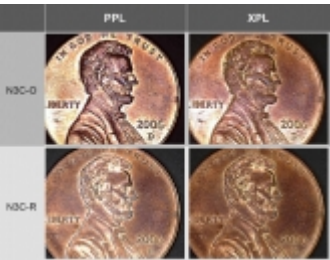
Dino-Lite EDGE with N3C-R



RK-10 & Dino-Lite EDGE with N3C-R



Reflection or glare comparison of using N3C-R, polarizer, and both



Reflection or glare comparison of using N3C-R, polarizer, and both



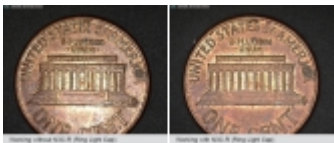
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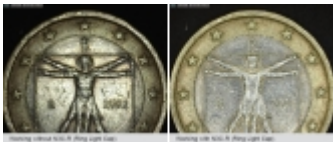
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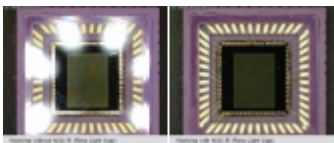
PCB 3



Coin 1



Coin 2



IC



Watch