

# AF4515TL-FVW

## Dino-Lite Edge



### Summary

Designed for long working distance observations at different wavelengths, Dino-Lite Edge 1.3MP AF4515TL-FVW offers 400nm and white light-emitting sources. This model is compatible with WF-20, a Wi-Fi streamer.

### Overview

#### Dual light

Switch between white light and 400nm UV light with the click of a button

#### 1.3 Megapixels

Thanks to the MJPEG compression, the advanced CMOS image sensor allows to transmit fluid and crisp image with resolution up to 1280x1024.

#### Long Working Distance (LWD) optics

The LWD optics yield more working space between the object and the microscope, making it ideal for applications such as repairing or assembly.

#### Adaptable interface

The adaptable interface provides the capability of transforming Dino-Lite into a wireless microscope when attaching with WF-20.

### **Automatic Magnification Reading (AMR)**

Without the hassle to stop and check the magnification for doing a measurement, the AMR detects the magnification rate automatically through the software, making the measurement be a more efficient, accurate, and pleasant process.

### **Adjustable LED intensity**

The LED intensity could be adjusted within 6 levels for providing further illumination flexibility.

### **Scroll Lock**

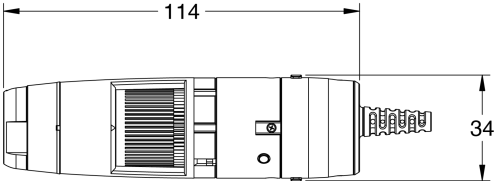
The scroll lock ensures the focus knob staying at the desired focus or magnification position without worry of unintentional movement.

### **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.

## **Specification**

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>               | AF4515TL-FVW                                                                                                          |
| <b>Series</b>              | Dino-Lite Edge                                                                                                        |
| <b>Interface</b>           | USB 2.0                                                                                                               |
| <b>Resolution</b>          | 2.0 Megapixel (1280 x 1024)                                                                                           |
| <b>Magnification</b>       | 10x ~ 140x                                                                                                            |
| <b>Frame Rate</b>          | 15fps at 1.3MP, MJPEG<br>30fps at VGA, MJPEG                                                                          |
| <b>System Requirements</b> | CPU: 2.5 GHz dual-core Intel Core i5 equivalent or greater<br>RAM: 4 GB or more<br>HD: 150 MB space available or more |

|                             |                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating System</b>     | Windows 7/8/10/11<br>macOS 10.14 or later                                                                                                                                                                                            |
| <b>Saving Format</b>        | Image:<br>DinoCapture 2.0: BMP, PNG, TIF, JPG<br>DinoCapture 3.0: BMP, PNG, TIF, JPG<br>DinoXcope: PNG, JPEG<br><br>Video:<br>DinoCapture 2.0: WMV, FLV, SWF<br>DinoCapture 3.0: MP4<br>DinoXcope: MOV                               |
| <b>Measurement Function</b> | Yes                                                                                                                                                                                                                                  |
| <b>Calibration Function</b> | Yes                                                                                                                                                                                                                                  |
| <b>Microtouch</b>           | Yes                                                                                                                                                                                                                                  |
| <b>Scroll Lock</b>          | Yes                                                                                                                                                                                                                                  |
| <b>Illumination</b>         | UV Light (395 nm), 4 LEDs<br>White Light, 4 LEDs                                                                                                                                                                                     |
| <b>Included Front Caps</b>  | N3C-C (Close Cap)<br>N3C-D (Diffuser Cap)<br>N3C-D2 (Opal Diffuser Cap)<br>N3C-EB (Extended Open Black Cap)<br>N3C-L (Long Cap)<br>N3C-OB (Black Open Cap)<br>N3C-S (Sidelight Cap)<br><a href="#">(View more front cap details)</a> |
| <b>Unit Dimension</b>       | 114 mm (H) x 34 mm (D)<br>                                                                                                                       |
| <b>Unit Weight</b>          | 111 g                                                                                                                                                                                                                                |

## Optical Data Table

| M   | WD    | FOV (x) | FOV (y) | DOF  |
|-----|-------|---------|---------|------|
| 10  | 234.5 | 39.0    | 31.2    | 12   |
| 20  | 112.5 | 19.5    | 15.6    | 4.5  |
| 30  | 72.5  | 13.0    | 10.4    | 3.1  |
| 40  | 54.5  | 9.8     | 7.8     | 1.8  |
| 50  | 43.5  | 7.8     | 6.2     | 1.2  |
| 60  | 37.5  | 6.5     | 5.2     | 0.9  |
| 70  | 33.7  | 5.6     | 4.5     | 0.6  |
| 80  | 31.3  | 4.9     | 3.9     | 0.5  |
| 90  | 29.9  | 4.3     | 3.5     | 0.37 |
| 100 | 29.2  | 3.9     | 3.1     | 0.28 |
| 110 | 29.1  | 3.5     | 2.8     | 0.22 |
| 120 | 29.3  | 3.3     | 2.6     | 0.17 |
| 130 | 29.8  | 3.0     | 2.4     | 0.12 |
| 140 | 30.5  | 2.8     | 2.2     | 0.09 |

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

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