

# AM73115MTF



**Brand:**  
**Product Code:** AM73115MTF

## Short Description

5 Megapixel Edge sensor  
USB 3.0, maximum 45fps  
10-70x magnification  
Extra Long Working Dist (11,5~48cm)  
Flexible LED Control (FLC)

## Description

The Dino-Lite AM73115MTF is a special model within the High Speed range with USB 3.0 connection. It offers superb uncompressed image quality and color reproduction in a robust, compact and appealing metal housing. The AM73115MTF ("F" stands for Far) offers an extra-large working distance.

USB 3.0 adds a new transfer mode called "SuperSpeed" (SS) capable of transferring data up to 5Gbits/s (625MB/s). Dino-Lite models with USB 3.0 offer an image transfer speed of up to 45FPS at a 1280 x 960 resolution. SuperSpeed allows you to take advantage of the full power of the Dino-Lite Edge Series optics including improved colour accuracy and image quality.



USB 3.0



High speed



Continuous  
~10x-70x



Magnification lock



5 megapixel  
2592 x 1944



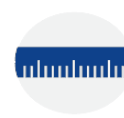
8 White LEDs  
switchable



Long working  
distance



Metal  
housing



Measurement  
functionality

The Dino-Lite AM73115MTF is a USB 3.0 model with a magnification range of 10x - 70x and an Extra Long Working Distance of up to 48 cm. At a 70x magnification the distance to the object can reach an unparalleled 108 mm. This model is member of the Dino-Lite Edge family with the latest, cutting-edge optics, an unmatched 5 megapixel sensor and several special features such as Flexible LED Control (FLC), full metal body, extensive measurement functions, calibration, exchangeable front caps and more.

The AM73115MTF is a special product within the Dino-Lite USB 3.0 range. For professionals who are looking for a large working distance and high speed data transfer combined with the best available image quality, this is the model of choice.

### Optical Data Table

| MAGNIFICATION RATE                       | WORKING DISTANCE | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD   |
|--|------------------|------------------|------------------|------------------|
| <b>Listed values may differ slightly</b> |                  |                  |                  | <b>Unit = mm</b> |
| 10                                       | 503              | 39.1             | 31.3             | 31.49            |
| 20                                       | 271              | 19.5             | 15.6             | 8.67             |
| 30                                       | 196              | 13.0             | 10.4             | 4.20             |
| 40                                       | 159              | 9.8              | 7.8              | 2.56             |
| 50                                       | 135              | 7.8              | 6.3              | 1.76             |
| 60                                       | 120              | 6.5              | 5.2              | 1.31             |
| 70                                       | 108              | 5.6              | 4.5              | 1.03             |

### Specification

| Lighting               |                       |
|------------------------|-----------------------|
| Light/ LED type        | White                 |
| Number of LEDs         | 8                     |
| LED on/off switchable: | Yes                   |
| Infrared filter        | IR cut-filter >650 nm |
| Diffuser available     | Yes (N3C-D optional)  |

|                                   |  |
|-----------------------------------|--|
| Emission filter                   | No   |
| Polarizer                         | No   |
| <b>Optics</b>                     |  |
| Magnification                     | 10-70x   |
| Macro zoom                        | No   |
| Working distance                  | Long   |
| Lens type                         | Glass with anti-reflection coating   |
| <b>Sensor</b>                     |  |
| Sensor type                       | CMOS   |
| Resolution                        | 5 Megapixel (2560x1920)  |
| Maximum frame rate                | 45fps (max 20fps video recording)  |
| <b>Compatibility</b>              |  |
| Interface                         | USB 3.0, Cable included**  |
| Operating system                  | Windows7, 8, 10 & 11, MacOS 10.9 and up  |
| Software                          | DinoCapture 2.0 (Windows), DinoXcope (Mac OS)                                      |
| Supported image formats (Windows) | BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX              |
| Supported video formats (Windows) | WMV, FLV, SWF  |
| Supported image formats (MacOS)   | JPEG, PNG  |
| Supported video formats (MacOS)   | MOV (max 1.3MP)  |
| Imaging standards                 | DirectShow, UVC  |
| Wifi                              | No   |
| <b>Housing</b>                    |  |
| Housing material                  | Metal housing  |
| Magnification lock                | Yes  |
| Dimensions                        | 11.9cm (L) x 3.3cm (H)   |
| Weight                            | 110g   |
| Cable length                      | 1.8m   |
| <b>Features</b>                   |  |
| Special feature                   | Flexible LED Control (FLC), Extra Long Working Distance                            |
| Measurement                       | Yes  |
| Calibration                       | Yes  |
| Microtouch sensor                 | Yes  |
| ESD safe                          | Yes  |
| <b>Information</b>                |  |
| Package contents                  | Microscope, carry pouch, software CD, user manual, quick guide, calibration target |

|                      |   |
|----------------------|---|
| Warranty information | 2 years European warranty   |
| Regulatory approval  | CE, FCC, ROHS   |
| Price range          | €1000,00 - €1200,00   |
| Note                 | **Dino-Lite USB 3.0 models use a custom USB-A and USB-C cable that is specifically designed for Dino-Lite |