# AM73515MT8A

**Brand:**
**Product Code:** AM73515MT8A

## Short Description

5 Megapixel resolution
USB 3.0, maximum 45fps
700-900x Magnification
Coaxial and brightfield illumination
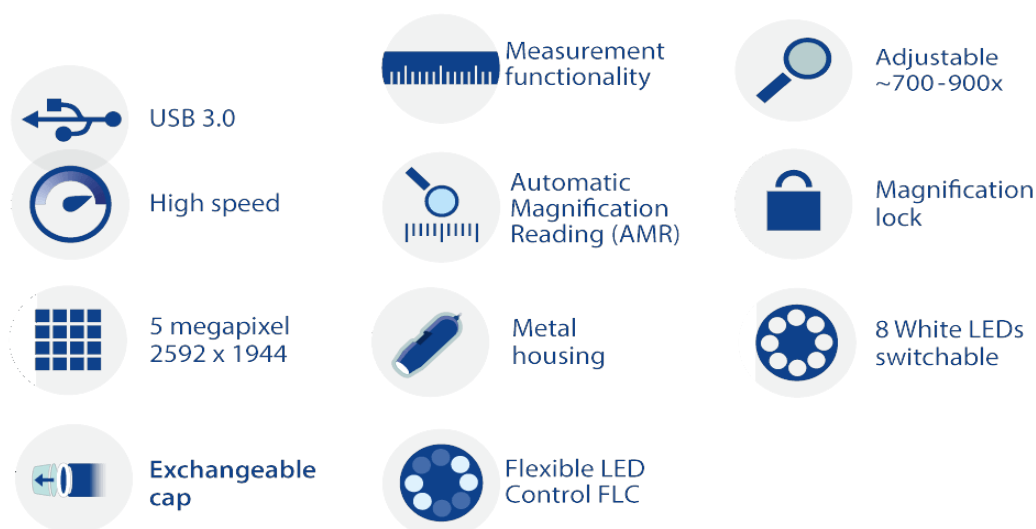Flexible LED Control (FLC)
Automatic Magnification Reading (AMR)

## Description

The AM73515MT8A is a 5MP Dino-Lite Edge Series USB 3.0 microscope that has a magnification range of 700-900x with built-in coaxial illumination. By using the Flexible LED Control (FLC), this model is capable of switching between or mixing, brightfield and coaxial illumination.

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**

**5 megapixel** 2592 x 1944

**Exchangeable cap**

**Measurement functionality**

**Automatic Magnification Reading (AMR)**

**Metal housing**

**Flexible LED Control FLC**

**Adjustable ~700-900x**

**Magnification lock**

**8 White LEDs switchable**

The coaxial illumination technique reveals details that are very difficult to see under normal light, for example when inspecting wafer plates, microchips or other microelectronics. The AM73515MT8A includes the Automatic Magnification Reading (AMR) feature which automatically detects and displays the magnification in the included Dino-Lite software.These unique features make the Dino-Lite AM73515MT8A a great inspection tool for material analysis, electronics inspection, or any similar application that requires high magnification, coaxial illumination, high speed, versatility and mobility. The Dino-Lite AM73515MT8A is bundled with the user-friendly DinoCapture 2.0 software for Windows.

For this model it includes functions such as Automatic Magnification Reading (AMR), Flexible LED Control (FLC), calibration, measurement, capturing & annotating images, and recording video. When focusing at such high magnification it is recommended to use a high-precision stand. The Dino-Lite RK-10A for example is a great add-on, it is a sturdy and stable high-end stand solution constructed of resilient stainless steel and lightweight aluminum and offers a very precise fine-focus adjustment.

**Optical Data Table**

| MAGNIFICATION RATE | WORKING DISTANCE* | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|---|---|---|---|---|
| 700 | 6.4 | 0.56 | 0.400 | 0.01 |
| 750 | 6.3 | 0.52 | 0.375 | 0.01 |
| 800 | 6.1 | 0.48 | 0.350 | 0.009 |
| 850 | 6.0 | 0.46 | 0.330 | 0.009 |
| 900 | 5.9 | 0.43 | 0.315 | 0.008 |
| **Listed values** | ***Without front** | | | **Unit = mm** |

may differ          cap
slightly

**Specification**

| Lighting | |
|---|---|
| Light/ LED type | White |
| Number of LEDs | 8 |
| LED on/off switchable: | Yes |
| Infrared filter | IR cut-filter >650 nm |
| Diffuser available | No |
| Emission filter | No |
| Polarizer | No |
| Optics | |
| Magnification | 700x ~ 900x |
| Macro zoom | No |
| Working distance | Standard |
| Lens type | Glass with anti-reflection coating |
| Sensor | |
| Sensor type | CMOS |
| Resolution | 5.0 Megapixel (2560x1920) |
| Maximum frame rate | 45fps (max 20fps video recording) |
| Compatibility | |
| Interface | USB 3.0, Cable included** |
| Operating system | Windows 7, 8, 10 & 11, MacOS 10.11.16 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 |
| Housing | |
| Housing material | Metal housing |
| Magnification lock | Yes |

| | |
|---|---|
| Dimensions | 11.9cm (L) x 3.3cm (H) |
| Weight | 110g |
| Cable length | 1.8m |
| **Features** | |
| Special feature | Automatic Magnification Reading (AMR), Flexible LED Control (FLC), Coaxial illumination |
| Measurement | Yes |
| Calibration | Yes |
| Microtouch sensor | Yes |
| ESD safe | Yes |
| **Information** | |
| Package contents | Microscope, carry pouch, software CD, user manual, quick guide, calibration target, front cover N3C-C, N3C-E, N3C-O |
| Warranty information | 2 years European warranty |
| Regulatory approval | CMOS, UKCA – available upon request – marketing@dino-lite.eu |
| Price range | €1400,00 - €1600,00 |
| Note | **Dino-Lite USB 3.0 models use a custom USB-A and USB-C cable that is specifically designed for Dino-Lite |

**Product Gallery**