Dino-Lite Europe - Phone: - Email:

## 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)

#### Descripción

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.



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**

MAGNIFICATI WORKING		FIELD OF	FIELD OF	<b>DEPTH OF</b>
ON RATE	<b>DISTANCE*</b>	VIEW(X)	VIEW(Y)	<b>FIELD</b>
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
<b>Listed values</b>	*Without from	t		Unit = mm

# may differ cap slightly

## Especificación

Lighting Light/ LED type	Especificación				
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) Supported video formats (Windows) Supported image formats (MacOS) Imaging standards DirectShow, UVC Wifi No Housing Housing material Metal housing	Lighting				
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) Supported video formats (Windows) Supported image formats (Windows) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi No Housing Housing material Metal housing	Light/ LED type	White			
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 UPC 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) Supported video formats (Windows) Supported image formats (Windows) Supported image formats (MacOS) Supported video formats (MacOS) MOV (max 1.3MP) Housing Metal housing Metal housing	Number of LEDs	8			
Diffuser available Emission filter No Polarizer No Optics Magnification 700x ~ 900x Macro zoom No Working distance Lens type Glass with anti-reflection coating Sensor Sensor type CMOS Resolution Maximum frame rate 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) Supported video formats (Windows) Supported image formats (MacOS) Supported video formats (MacOS) Imaging standards Wetal housing Housing material Metal housing  Mov (max 1.3MP)	LED on/off switchable:	Yes			
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 (MacOS) Supported image formats (Windows) Supported video formats (Windows) Supported image formats (Windows) Supported image formats (MacOS) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi No Housing Housing material Metal housing	Infrared filter	IR cut-filter >650 nm			
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) PCX, MNG, WBMP, JP2, JPC, PGX  Supported video formats (Windows) Supported video formats (MacOS) Supported video formats (MacOS) Supported video formats (MacOS) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi No Housing Housing material Metal housing	Diffuser available	No			
Optics  Magnification  Macro zoom  Macro zoom  No  Working distance  Lens type  Glass with anti-reflection coating  Sensor  Sensor type  CMOS  Resolution  Maximum frame rate  Compatibility  Interface  Operating system  Software  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)  Supported video formats  (Windows)  Supported image formats  (Windows)  Supported image formats  (Windows)  Supported video formats  (MacOS)  Imaging standards  DirectShow, UVC  Wifi  No  Housing  Housing material  Metal housing	Emission filter	No			
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) PCX, MNG, WBMP, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX  WMV, FLV, SWF  (Windows)  Supported video formats (MacOS)  Supported video formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi No  Housing  Housing material Metal housing	Polarizer	No			
Macro zoom Working distance Lens type Glass with anti-reflection coating Sensor Sensor type Resolution Maximum frame rate Compatibility Interface USB 3.0, Cable included** Operating system Software DinoCapture 2.0 (Windows), DinoXcope (Mac OS) Supported image formats (Windows) Supported video formats (Windows) Supported image formats (Windows) Supported video formats (MacOS) Supported video formats (MacOS) Imaging standards Wifi No Housing Housing material Metal housing  CMOS  Resolution CMOS  Lens type Glass with anti-reflection coating Standard  Metal housing  No  Megapixel (2560x1920)  45fps (max 20fps video recording) CMOS  10.11.16 and up Software DinoCapture 2.0 (Windows), DinoXcope (Mac OS)  Supported image formats (Windows) Supported video formats (MacOS) Supported video formats (MacOS) MOV (max 1.3MP)  Metal housing  Metal housing	Optics				
Working distance  Lens type  Glass with anti-reflection coating  Sensor  Sensor type  CMOS  Resolution  5.0 Megapixel (2560x1920)  Maximum frame rate  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)  Supported video formats (Windows)  Supported image formats (Windows)  Supported video formats (Windows)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  No  Housing  Housing material  Metal housing	Magnification	$700x \sim 900x$			
Lens type Sensor Sensor type CMOS Resolution Sensor type Compatibility Interface Operating system Supported image formats (Windows) Supported video formats (Windows) Supported image formats (Windows) Supported image formats (Windows) Supported video formats (Windows) Supported video formats (MacOS) MOV (max 1.3MP)  Housing Housing material Metal housing	Macro zoom	No			
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 (MacOS)  Supported image formats (Windows) PCX, MNG, WBMP, JPG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX  WMV, FLV, SWF  (Windows)  Supported video formats (MacOS)  Supported video formats (MacOS)  Imaging standards DirectShow, UVC  Wifi No  Housing  Housing material Metal housing	Working distance	Standard			
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 (MacOS)  Supported image formats (Windows) PCX, MNG, WBMP, JP2, JPC, PGX  WMV, FLV, SWF  WMV, FLV, SWF  WMV, FLV, SWF  MacOS)  Supported video formats (MacOS)  Supported video formats (MacOS)  Supported video formats (MacOS)  DirectShow, UVC  Wifi No  Housing  Housing material Metal housing	Lens type	Glass with anti-reflection coating			
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) PCX, MNG, WBMP, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGX  Supported video formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Supported video formats (MacOS)  Imaging standards DirectShow, UVC  Wifi No  Housing  Housing material Metal housing					
Maximum frame rate  Compatibility  Interface  USB 3.0, Cable included**  Operating system  Software  DinoCapture 2.0 (Windows), DinoXcope (Mac OS)  Supported image formats (Windows)  Supported video formats (Windows)  Supported image formats (Windows)  Supported image formats (Windows)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  No  Housing  Housing material  Metal housing	Sensor type	CMOS			
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) Supported video formats (Windows) Supported image formats (Windows) Supported video formats (MacOS) Supported video formats (MacOS) Supported video formats (MacOS) DirectShow, UVC Wifi No Housing Housing material Metal housing	Resolution	5.0 Megapixel (2560x1920)			
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 BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, (Windows) PCX, MNG, WBMP, JP2, JPC, PGX  Supported video formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  No  Housing  Housing material  Metal housing	Maximum frame rate				
Operating system  Windows 7, 8, 10 & 11, MacOS 10.11.16 and up  DinoCapture 2.0 (Windows), DinoXcope (Mac OS)  Supported image formats (Windows)  Supported video formats (Windows)  Supported image formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Supported video formats (MacOS)  DirectShow, UVC  Wifi  No  Housing  Housing material  Metal housing	Compatibility				
Software  DinoCapture 2.0 (Windows), DinoXcope (Mac OS)  Supported image formats (Windows)  Supported video formats (Windows)  Supported image formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  No  Housing  Housing material  Metal housing	Interface	USB 3.0, Cable included**			
Supported image formats (Windows)  Supported video formats (Windows)  Supported image formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  No  Housing  Housing material  Metal housing	Operating system	Windows 7, 8, 10 & 11, MacOS 10.11.16 and up			
(Windows)  Supported video formats (Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  No  Housing Housing material  Metal housing	Software				
(Windows)  Supported image formats (MacOS)  Supported video formats (MacOS)  Imaging standards  DirectShow, UVC  Wifi  No  Housing  Housing material  Metal housing					
(MacOS) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi No Housing Housing material Metal housing	<b>^</b> _	WMV, FLV, SWF			
(MacOS) Imaging standards DirectShow, UVC Wifi No Housing Housing material Metal housing		JPEG, PNG			
Wifi No Housing Housing material Metal housing		MOV (max 1.3MP)			
Housing Housing material Metal housing	Imaging standards	DirectShow, UVC			
Housing material Metal housing	Wifi	No			
	Housing				
	Housing material	Metal housing			
Magnification lock Yes	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**