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	DEPTH OF
ON RATE	DISTANCE*	VIEW(X)	VIEW(Y)	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 fron	t		Unit = mm

may differ cap slightly

Especificación

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 Optics 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) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi No Housing Housing material Metal housing Magnification lock Yes	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) PCX, MNG, WBMP, JP2, JPC, PGX Supported image formats (Windows) Supported video formats (MacOS) Imaging standards DirectShow, UVC Wifi No Housing Housing material Metal housing	Lighting				
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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 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			
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(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				
Magnification lock Yes	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