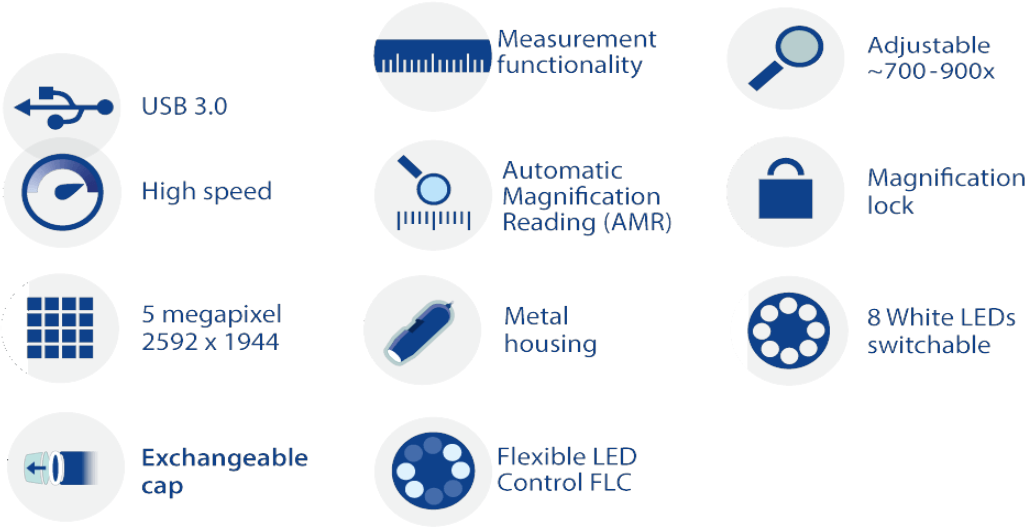
AM73515MT8A

Marka:
Ürün Kodu: 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)

Aç?klama
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

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 slightly **cap**

Özellikler

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	700-900x
Macro zoom	No
Working distance	Standard
Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	5 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