AM73515MT8A



Marke: Artikelnummer: 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)

Beschreibung

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 front	,		Unit = mm	

may differ cap slightly

LightingLight/ LED typeWhiteNumber of LEDs8LED on/off switchable:YesInfrared filterIR cut-filter >650 nmDiffuser availableNoEmission filterNoPolarizerNoOpticsMagnificationWorking distanceStandardLens typeGlass with anti-reflection coatingSensorSensorSensor typeCMOSResolution5 Megapixel (2560x1920)Maximum frame rate45fps (max 20fps video recording)CompatibilityUindows 7, 8, 10 & 11, MacOS 10,11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)Supported image formatsBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXSupported video formatsWMV, FLV, SWF(Windows)JPEG, PNGSupported video formatsMOV (max 1.3MP)(MacOS)MoV (max 1.3MP)(MacOS)DirectShow, UVCWifiNo	Spezifikation		
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(MacOS)Imaging standardsDirectShow, UVC		JPEG, PNG	
		MOV (max 1.3MP)	
Wifi No	Imaging standards	DirectShow, UVC	
	Wifi	No	
Housing	Housing		
Housing material Metal 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