AM73515MT8A



Merk: Productcode: AM73515MT8A

Korte omschrijving

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

Omschrijving

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

Licht / LED-typeWhiteAantal leds8Aantal leds8LED aan / uit schakelbaar:YesInfrarood filterIR cut-filter >650 nmDiffusor beschikbaarNoEmissiefilterNoPolarisatorNoOptiekVox ~ 900xMacro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**InterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PeCX, MNG, WBMP, JP2, JPC, PGXOndersteundeJPEG, PNGbeeldformaten (Windows)IPEG, PNGondersteundeMOV (max 1.3MP)videoformaten (MacOS)IPECShow, UVCWifiNo	Specificatie		
Aantal leds8LED aan / uit schakelbaar:YesInfrarood filterIR cut-filter >650 nmDiffusor beschikbaarNoEmissiefilterNoPolarisatorNoOptiek700x ~ 900xMagnification700x ~ 900xMacro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeJPEG, PNGvideoformaten (Windows)PEG, PNGbeeldformaten (MacOS)PEG, PNGondersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMeteriaal van de behuizingMateriaal van de behuizingMetal housing	Verlichting		
LED an / uit schakelbaar:YesInfrarood filterIR cut-filter >650 nmDiffusor beschikbaarNoEmissiefilterNoPolarisatorNoOptiekMagnificationMagnification700x ~ 900xMacro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensorbypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeJPEG, PNGwideoformaten (Windows)IPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMeteriaal van de behuizing	Licht / LED-type	White	
Infrarood filterIR cut-filter >650 nmDiffusor beschikbaarNoEmissiefilterNoPolarisatorNoOptiekMagnificationMacro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, beeldformaten (Windows)OndersteundeJPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBeeldvormingsnormenDirectShow, UVCWifiNoBeeldvaring van de behuizingMetal housing	Aantal leds	8	
Diffusor beschikbaarNoEmissiefilterNoPolarisatorNoOptiekTota > 900xMagnification700x ~ 900xMacro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA,beeldformaten (Windows)PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeJPEG, PNGbeeldformaten (Mindows)IPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBehuizingMetal housing	LED aan / uit schakelbaar:	Yes	
EmissiefilterNoPolarisatorNoOptiekMagnificationMagnification700x ~ 900xMacro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeJPEG, PNGvideoformaten (Windows)IPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	Infrarood filter	IR cut-filter >650 nm	
PolarisatorNoOptiek700x ~ 900xMagnification700x ~ 900xMacro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeJPEG, PNGwideoformaten (Windows)JPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	Diffusor beschikbaar	No	
OptiekMagnification700x ~ 900xMacro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**InterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeJPEG, PNGbeeldformaten (Windows)JPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetariaal van de behuizingMateriaal van de behuizingMetal housing	Emissiefilter	No	
Magnification700x ~ 900xMacro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**InterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXVideoformaten (Windows)PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeMVV, FLV, SWFvideoformaten (MacOS)MOV (max 1.3MP)OndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBehuizingMetal housing	Polarisator	No	
Macro zoomNoWerkafstandStandardType lensGlass with anti-reflection coatingSensorSensorSensorbypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, beeldformaten (Windows)Videoformaten (Windows)PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeJPEG, PNGbeeldformaten (MacOS)MOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBehuizingMetal housing	Optiek		
WerkafstandStandardType lensGlass with anti-reflection coatingSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitInterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGbeeldformaten (MacOS)MOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBehuizingMetal housing	Magnification	700x ~ 900x	
Type lensGlass with anti-reflection coatingSensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**InterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXVideoformaten (Windows)VMV, FLV, SWFvideoformaten (Windows)JPEG, PNGbeeldformaten (MacOS)MOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBehuizingMetal housing	Macro zoom	No	
SensorSensorSensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitInterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBehuizingMetal housing	Werkafstand	Standard	
SensortypeCMOSResolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitInterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	Type lens	Glass with anti-reflection coating	
Resolutie5.0 Megapixel (2560x1920)Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitUSB 3.0, Cable included**InterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBehuizingMetal housing	Sensor		
Maximale framesnelheid45fps (max 20fps video recording)CompatibiliteitInterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGOndersteundeJPEG, PNGbeeldformaten (MacOS)MOV (max 1.3MP)ondersteundeDirectShow, UVCWifiNoBehuizingMetal housing	Sensortype	CMOS	
CompatibiliteitInterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGDeeldformaten (MacOS)MOV (max 1.3MP)OndersteundeDirectShow, UVCWifiNoBehuizingMetal housing	Resolutie	5.0 Megapixel (2560x1920)	
InterfaceUSB 3.0, Cable included**BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGbeeldformaten (MacOS)MOV (max 1.3MP)OndersteundeDirectShow, UVCwifiNoBehuizingMetal housing	Maximale framesnelheid	45fps (max 20fps video recording)	
BesturingssysteemWindows 7, 8, 10 & 11, MacOS 10.11.16 and upSoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGOndersteundeMOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBehuizingMetal housing	Compatibiliteit		
SoftwareDinoCapture 2.0 (Windows), DinoXcope (Mac OS)OndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)PEG, PNGOndersteundeJPEG, PNGbeeldformaten (MacOS)MOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCWifiNoBehuizingMetal housing	Interface	USB 3.0, Cable included**	
OSOndersteundeBMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGOndersteundeJPEG, PNGbeeldformaten (MacOS)MOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCBeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	Besturingssysteem	Windows 7, 8, 10 & 11, MacOS 10.11.16 and up	
beeldformaten (Windows)PCX, MNG, WBMP, JP2, JPC, PGXOndersteundeWMV, FLV, SWFvideoformaten (Windows)JPEG, PNGOndersteundeJPEG, PNGbeeldformaten (MacOS)MOV (max 1.3MP)Ondersteunde (MacOS)DirectShow, UVCBeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	Software		
Ondersteunde videoformaten (Windows)WMV, FLV, SWFOndersteunde beeldformaten (MacOS)JPEG, PNGOndersteunde videoformaten (MacOS)MOV (max 1.3MP)SeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	Ondersteunde	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA,	
videoformaten (Windows)PEG, PNGOndersteundeJPEG, PNGbeeldformaten (MacOS)MOV (max 1.3MP)Ondersteunde (MacOS)MOV (max 1.3MP)videoformaten (MacOS)DirectShow, UVCBeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	beeldformaten (Windows)	PCX, MNG, WBMP, JP2, JPC, PGX	
Ondersteunde beeldformaten (MacOS)JPEG, PNGOndersteunde videoformaten (MacOS)MOV (max 1.3MP)BeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	Ondersteunde		
beeldformaten (MacOS)MOV (max 1.3MP)Ondersteunde videoformaten (MacOS)MOV (max 1.3MP)BeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	videoformaten (Windows)		
Ondersteunde videoformaten (MacOS)MOV (max 1.3MP)BeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMetal housing	Ondersteunde	JPEG, PNG	
videoformaten (MacOS)BeeldvormingsnormenWifiDirectShow, UVCWifiBehuizingMateriaal van de behuizingMetal housing	beeldformaten (MacOS)		
BeeldvormingsnormenDirectShow, UVCWifiNoBehuizingMateriaal van de behuizingMateriaal van de behuizingMetal housing	Ondersteunde	MOV (max 1.3MP)	
WifiNoBehuizingMetal housingMateriaal van de behuizingMetal housing	videoformaten (MacOS)		
Behuizing Materiaal van de behuizing Metal housing	Beeldvormingsnormen	DirectShow, UVC	
Materiaal van de behuizing Metal housing	Wifi	No	
	Behuizing		
Vergrotingsslot Yes	Materiaal van de behuizing	Metal housing	
	Vergrotingsslot	Yes	

Afmetingen	11.9cm (L) x 3.3cm (H)
Gewicht	110g
Kabellengte	1.8m
Kenmerken	
Bijzonderheid	Automatic Magnification Reading (AMR), Flexible LED Control (FLC), Coaxial illumination
Meting	Yes
Kalibratie	Yes
Microtouch-sensor	Yes
ESD veilig	Yes
Informatie	
Inhoud van de verpakking	Microscope, carry pouch, software CD, user manual, quick guide, calibration target, front cover N3C-C, N3C-E, N3C-O
Garantie-informatie	2 years European warranty
Regelgevende goedkeuring	CMOS, UKCA – available upon request – marketing@dino-lite.eu
Prijsklasse	€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 galerij