

Dino-Lite

Handheld Digital Microscope | Eyepiece Camera | Accessories

ANMO ELECTRONICS CORP.

TAIPEI OFFICE

17F-1, No. 97, Sec. 4, Chongxin Road, Sanchong Dist., New Taipei City 241513, Taiwan
Tel: +886-2-2974-9126 / Fax: +886-2-2974-9125

HSINCHU OFFICE

5F-1, No. 76, Sec. 2, Dongda Road, Hsinchu City 300082, Taiwan
Tel: +886-3-535-7868 / Fax: +886-3-535-8098

The Dino-Lite Glossary

AXI - Axial Illumination

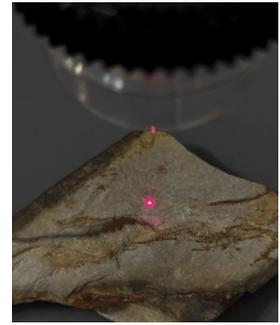
The AXI feature uses through-lens illumination to provide switchable coaxial lighting for examining reflective surfaces. It can be used to highlight or increase the contrast of patterns, defects, or surface features on a variety of materials, such as semiconductors, glass, and metal.



IC lead frame viewed at 210x magnification.

APL - Aim Point Laser

APL is a through-lens laser that casts a red dot visible on the sample and live image. This helps to position a point of interest under the microscope's field of view. The Dino-Lite equipped with APL is classified as a Class 1 laser product that is non-hazardous for normal use.



APL projecting on metamorphic rock.

AMR - Automatic Magnification Reading

AMR is a feature that detects the current magnification of a Dino-Lite in use. The tracked magnification eliminates human error when reading and entering the magnification value, improving the efficiency and accuracy of measurements.

EDOF - Extended Depth of Field

EDOF creates images with a wider depth of field by stacking multiple images at different focal depths with one click. This results in a clear view of objects with topography changes in height.



Screw captured at 35x magnification.

DPQ - Depth Acquisition

DPQ is a feature that leverages the microscope's small depth of field to extract depth or height by comparing the focus of a position with a reference. It provides an indirect yet effective way of obtaining depth information from surfaces that exhibit topographical variations.

EDR - Extended Dynamic Range

EDR is a feature that creates images with a wider dynamic range by stacking multiple images at different exposure levels with one click. This allows details to be more visible in areas that may have been too bright or too dark in a single exposure.



Phyllobius calcaratus captured at 30x magnification.

FLC - Flexible LED Control

Shadows can be useful in microscopy when they are used to reveal surface features such as depth and height variations in a sample. FLC provides on/off switching capability of each quadrant and 6-level intensity adjustability of activated quadrants, enabling the creation of shadows by uneven lighting. It can be useful for highlighting surface features and topographical variations or enhancing contrast without using auxiliary side lighting.



Metamorphic rock viewed at 60x magnification.

eFLC - Enhanced Flexible LED Control

The eFLC features 32 levels of intensity adjustability to both the bright and dark quadrants of FLC. This allows light to fill the shadows, avoiding clipping and enhancing detail in photos.

Polarizer

Polarizing Dino-Lite microscopes have two linear polarizers: one in front of the LEDs that can rotate and another in the optical pathway to the sensor. On its own, it can be used for reflective polarized light microscopy to suppress glare for better contrast or perform subsurface examinations. Used with a polarizer backlight, such as the BL-ZW2, it can be used for transmitted polarized light microscopy in applications such as thin film or petrography examinations.

Magnification

In digital microscopy, magnification is calculated by dividing the size of the image displayed on the screen by the actual size of the specimen being viewed. The Dino-Lite's magnification uses a 4:3 20-inch full screen display for the calculation.

Software

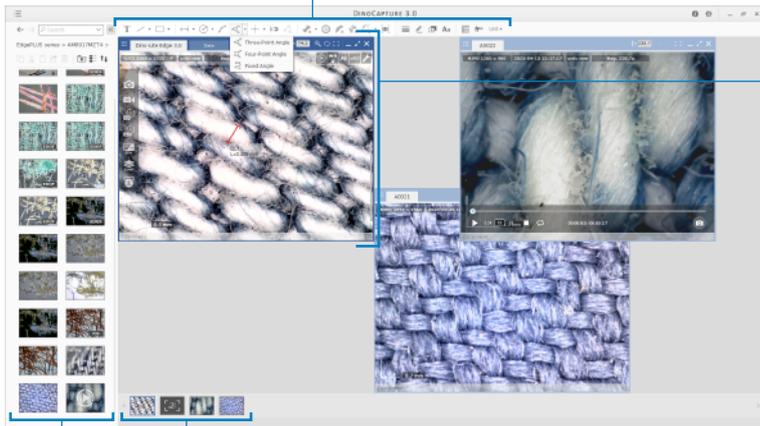
Dino-Lite and Dino-Eye devices require software for controlling various functions, including illumination and camera settings. Software is available with Windows or macOS. Additionally, there are dedicated apps for Android and iOS mobile devices, which allow users to stream images through a Wi-Fi steamer for convenient on-the-go usage.

DinoCapture for Windows

DinoCapture is a Windows imaging software for USB Dino-Lite microscopes used in many applications, from industrial to educational to research. It allows users to preview multiple cameras, adjust the camera and LED settings, capture images and videos, add text and drawings, perform measurements, and other special functions.

Versatile Toolset

Measure, annotate, calibrate, count, and more.



Workspace Menu

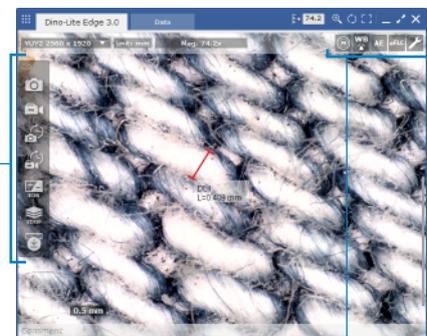
View thumbnails of connected devices and opened media.

Integrated File Manager

Organize, preview, and open media files.

Live Imaging

View the live preview directly from Dino-Lite devices.



Intuitive Capture Panel

Capture, record, and use advanced imaging tools.

Camera Settings

Set or view camera settings such as exposure, white balance, and lighting.

DinoConnect for iOS & Android

DinoConnect is an imaging app designed to be used with a Dino-Lite connected via a dedicated Wi-Fi steamer for fieldwork and outdoor applications. This app allows users to preview live images, control illumination and exposure, take photos, record videos, add texts, and perform measurements on a mobile device.

Wireless Connectivity

Connect the Dino-Lite wirelessly to a mobile device or computer for untethered imaging.



DinoXcope for macOS

DinoXcope is a functional software for using Dino-Lite on macOS. With features like image and video capture, editing tools, measurements, and more, DinoXcope provides users the essentials for live imaging and documentation.

SDK

The software development kit (SDK) allows the integration of Dino-Lites into the customer's own system. The package provides controlling capabilities for the camera and LEDs of Dino-Lites. SDK is compatible with Windows in 32-bit OS or 64-bit OS versions. Contact your local distributor for more information.

Accessories

Wi-Fi Streamer

WF-20



Modular Wi-Fi streamer compatible with Dino-Lite AF series

WF-10



Wi-Fi streamer compatible with a wide selection of Dino-Lites

Rack

RK-10F



Precision tabletop rack

RK-10



General-purpose tabletop rack

RK-02



Gooseneck rack

MS-W1



Handy wheeled stand

RK-06 / RK-06F*



Agile tabletop rack

* Fine-focus adjustment option

RK-05 / RK-05F*



Tiltable rack

* Fine-focus adjustment option

RK-04 / RK-04F*



Compact rack

* Fine-focus adjustment option

Fine-focus adjustment knob on RK-04F, RK-05F, and RK-06F



Extension for RK-10 or RK-06



RK-10-PX2
XY positioning arm



RK-10-FX
Flexible arm extension



SS-M2
Petri dish holder

Holder

HD-M2A / HD-M2B



Metal holder with quick release screw
Vertical/horizontal mounting hole size: 10mm(A) or 1/2"(B)

Front Cap

N3C-R



Ring light cap

N3C-A



Coaxial light cap

Backlight

BL-ZW2



Backlight with adjustable and removable polarizer

BL-CDW



Backlight with bright field and dark field illumination

Others

KM-01



Knob motor for adjusting the focus knob remotely

SW-F1



Foot pedal for triggering camera operations on software (DinoCapture)

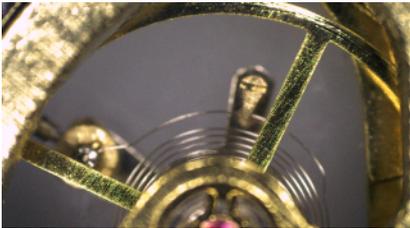
Highlights

Precision Timing Meets Enhanced Capture

AG5715

Capture fast-moving subjects without motion artifacts using global shutter technology. Featuring external trigger input and strobe output, the AG5715 is ideal for precise imaging, automation tasks, and synchronized acquisition in advanced industrial inspection and research settings.

- ▶ Global shutter for distortion-free imaging
- ▶ External trigger input and strobe output for seamless system integration



Moving object under Global Shutter by AG5715MZT



Moving object under Rolling Shutter by AM7915MZT



Flexible Viewing with Full HD Speed

AM62918 / AM62518 / AM62118 Series

Experience smooth, real-time imaging at a native 60 fps in crisp 1080p Full HD, viewed via either HDMI or USB. While HDMI offers real-time on-screen viewing, the USB interface enables detailed image analysis, precise measurements and documentation.

- ▶ Native 1080p, 60 fps real-time imaging
- ▶ HDMI for direct viewing; USB for measurement, documentation, and streaming

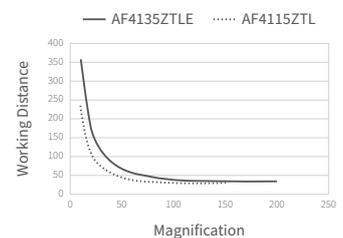
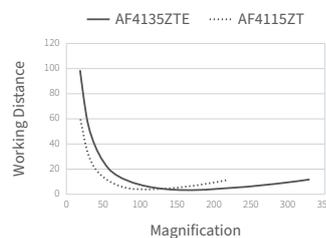


Extended Magnification for Broader Applications

AF4935 / AF4535 / AF4135 Series

With an extended magnification range from 10x to 330x, AF4x35 bridges the gap between broad overviews and fine detail. At lower magnifications, greater working distance is ideal for tasks such as inspecting cable assemblies or reviewing connector layouts. At higher magnifications, it supports detailed analysis of PCB traces or small components. Compatible with the optional WF-20 Wi-Fi streamer for added workflow flexibility.

- ▶ Extended 10x ~ 330x magnification range
- ▶ Wireless-ready with optional WF-20 Wi-Fi streamer



Product Selection Guide

Dino-Lite Digital Microscope

Resolution	Interface	Features								Category	Long Working Distance				General Purpose			High Magnification			
		Global Shutter o FLC / eFLC	AMR	EDR*	EDOF*	DPQ*	ROI**	AXI	Optional Wi-Fi/Streamer		Mag.	10x ~ 70x (WD=503 ~ 108 mm)	10x ~ 140x (WD=294 ~ 30 mm)	10x ~ 200x (WD=36 ~ 33 mm)	10x ~ 50x (WD=182 ~ 19 mm)	10x ~ 220x (WD=143 ~ 12 mm)	20x ~ 220x (WD=60 ~ 12 mm)	10x ~ 330x (WD=23 ~ 13 mm)	400x ~ 470x (WD=5 ~ 9 mm)	415x ~ 470x (WD=6 ~ 11 mm)	700x ~ 900x (WD=6 ~ 5 mm)
Dino-Lite Edge^{PLUS}																					
8.0 MP	USB 2.0	•	•	•	•	•	•	•	•	AM8917M	ZTL			ZT				ZT4	T4A	T8/T8A	
8.0 MP	USB 2.0	•	•							AM8517M	ZTL			ZT							
8.0 MP	USB 2.0	•								AM8117M	ZTL			ZT							
1.3 MP	USB 2.0	•	•	•	•	•	•	•	•	AM4917M	ZTL			ZT				ZT4		T8	
1.3 MP	USB 2.0	•	•							AM4517M	ZTL			ZT						T8A	
1.3 MP	USB 2.0	•								AM4117M	ZTL		ZTW	ZT							
2.0 MP	HDMI / USB 2.0	•	•	•	•	•	•	•	•	AM62918M	ZTL			ZT							
2.0 MP	HDMI / USB 2.0	•	•	•						AM62518M	ZTL			ZT							
2.0 MP	HDMI / USB 2.0	•								AM62118M	ZTL			ZT							
HD 1080p	HDMI									AM6218M	ZTL			ZT							
Dino-Lite Edge 3.0																					
5.0 MP	USB 3.0	•	•	•	•	•	•	•	•	AM73915M	ZTL			ZT				ZT4		T8	
5.0 MP	USB 3.0	•	•						•	AM73515M	ZTL			ZT					T4A	T8A	
5.0 MP	USB 3.0	•								AM73115M	TF	ZTL		ZT							
Dino-Lite Edge																					
5.0 MP	USB 2.0	o	•	•	•	•	•	•	WF-20	AF7915M	ZTL			ZT				ZT4		T8	
5.0 MP	USB 2.0	o	•					•	WF-20	AF7515M	ZTL			ZT				ZT4	T4A	T8A	T1A
5.0 MP	USB 2.0	o						•	WF-20	AF7115M	TF	ZTL	ZTW	ZT							T2A
1.3 MP	USB 2.0	o	•	•	•			•	WF-20	AF4935		ZTLE			ZTE						
1.3 MP	USB 2.0	o	•					•	WF-20	AF4535		ZTLE			ZTE						
1.3 MP	USB 2.0	o						•	WF-20	AF4135		ZTLE			ZTE						
1.3 MP	USB 2.0	o	•	•	•			•	WF-20	AF4915	ZTL			ZT							
1.3 MP	USB 2.0	o	•					•	WF-20	AF4515	ZTL			ZT				ZT4		T8	
1.3 MP	USB 2.0	o						•	WF-20	AF4115	TF/ZTF	ZTL	ZTW	ZT							
5.0 MP	USB 2.0	o	•	•	•			•	WF-10	AM7915M	ZTL			ZT							
5.0 MP	USB 2.0	o	•					•	WF-10	AM7515M	ZTL			ZT					T4A	T8A	T1A
5.0 MP	USB 2.0	o						•	WF-10	AM7115M	TF	ZTL	ZTW	ZT							T2A
2.0 MP	USB 2.0	•	•	•	•	•	•	•		AG5915M	ZTL			ZT				ZT4			
2.0 MP	USB 2.0	•	•	•				•		AG5715M	ZTL			ZT							
2.0 MP	USB 2.0	•	•	•				•		AG5515M	ZTL			ZT							
HD 720p	HDMI									AM5218M	ZTF	ZTL	ZTW	ZT							
720p	D-Sub									AM5216	TF/ZTF	ZTL		ZT							
960H	TV									AM5212	TL/ZTL			T/ZT							
											20x ~ 90x (WD=151 ~ 46 mm)			20x ~ 50x, 220x (WD=48 ~ 0 mm)				430x ~ 470x (WD=0 ~ 3 mm)	510x ~ 515x (WD=0.1 mm)		
Dino-Lite Premier																					
1.3 MP	USB 2.0								WF-10	AM4113	TL/ZTL			T/ZT				ZT4		T5	
0.3 MP	USB 2.0								WF-20	AF3113				T							
0.3 MP	USB 2.0								WF-10	AM3111				•							

* The feature is limited to use in DinoCapture 2.0 and DinoCapture 3.0.
 ** The feature is limited to use in DinoCapture 3.0.

Special Lighting Options

	UV		Infrared			Switchable			
	375 nm	395 nm	780 nm	850 nm	940 nm	375 nm + white	395 nm + white	375 nm + 940 nm	395 nm + 940 nm
AM8517M	FU	FV	FK	FI	FJ	FUW	FVW	JU	JV
AM4517M	FU	FV	FK	FI	FJ	FUW	FVW	JU	JV
AF4535TE		FV	FK	FI	FJ	FUW	FVW		
AF4515T	FU	FV	FK	FI	FJ	FUW	FVW	JU	JV

Fluorescence Options

	ex.	400 nm	435 nm	465 nm	465 nm + 580 nm	520 nm	575 nm	620 nm	770 nm
	em.	420 ~ 650 nm	475 ~ 650 nm	510 ~ 545 nm	505 ~ 535 nm + 610 ~ 650 nm	570 ~ 650 nm	615 ~ 650 nm	655 ~ 950 nm	820 ~ 950 nm
AM8517M		CFW	BFCW	G2FBW	GRFBY	YFGW	RFYW	DFRW	
AM4517M		CFW	BFCW	G2FBW	GRFBY	YFGW	RFYW	DFRW	IFKW

Dino-Eye Eyepiece Camera

Product	Resolution	Interface	Eyepiece Port
AM7025X	5.0 MP	USB 2.0	23 mm / 30 mm / 30.5 mm / C-Mount
AM4025X	1.3 MP	USB 2.0	23 mm / 30 mm / 30.5 mm / C-Mount