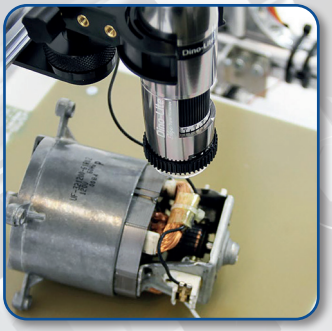
Dino-Lite
Digital Microscope
The Industry Standard

Dino-Lite USB-microscopes, for specialists



POWERFUL | PORTABLE | VERSATILE

Index

A powerful and portable solution

Dino-Lite digital microscopes provide a powerful, portable, and feature-rich solution for microscopic inspection, offering up to 900x magnification and 8.0 MP resolution. With high-quality imaging and optics, feature-rich software, and advanced hardware, the Dino-Lite range stands apart from any comparable product.

As the inventor of the handheld digital USB microscope, Dino-Lite is now the market leader and industry standard for digital handheld microscopes. Today, the Dino-Lite digital microscope is an irreplaceable instrument for thousands of companies and professionals worldwide.

With over 150 models, the Dino-Lite range offers multiple connectivity options, including USB 2.0, USB 3.0, VGA, high definition, and wireless. It also features specialized illumination options such as ultraviolet or infrared and numerous magnification ranges.

A wide range of stands and accessories completes the product lineup, ensuring that the Dino-Lite range meets the needs of home users and the most demanding professionals.

Small in size but full of functionality, the Dino-Lite digital microscope is a marvel of technology.

2 year warranty - Free sofware - Regulatory approval CE / FCC / RoHs

See a full overview of all Dino-Lite microscopes on page 57.

Dino-Lite Special Technologies

Extended Depth Of Field (EDOF)

Page 05

Extended Dynamic Range (EDR)

Page 06

Automatic Magnification Reading (AMR)

Page 07

Flexible LED Control (FLC)

Page 08

Enhanced Flexible LED Control (eFLC)

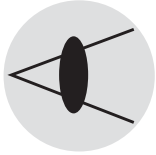
Page 09

Coaxial Illumination

Page 10

Depth Acquisition (DPQ)

Page 11



Polarizer Anti-reflection

Page 12

Key features include:
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- Extended Depth of Field (EDOF)
- Extended Dynamic Range (EDR)

These capabilities ensure precise and versatile performance across various applications, including education, research, industry, electronics, and inspection.

EDOF - Extended Depth of Field

Extended Depth of Field (EDOF), also known as focus stacking, is a digital image processing technique which combines multiple images taken at different focus distances to give a resulting image with a greater depth of field (DOF) than any of the individual source images. Focus stacking can be used in any situation where individual images have a very shallow depth of field.

The EDOF capture mode can take several pictures at different levels of focus and stack them into a clear image automatically with one click of the mouse.

The EDOF images maintain the picture quality from its original pictures and can be stored and viewed in the DinoCapture software.
(Windows only)

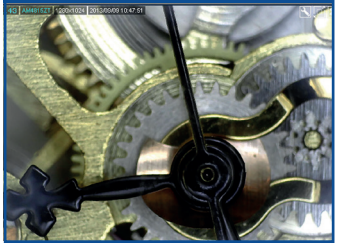
Some exceptions apply. Please refer to the Dino-Lite model overview on page 57.

The EDOF increases the depth of field by stacking a series pictures with different focus into one image with one click.
Note: EDOF available on Windows PC only.

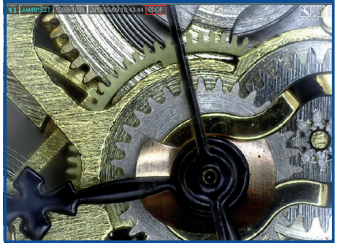
Without EDOF

With EDOF

Without EDOF



With EDOF



Extended Depth Of Field (EDOF)

EDR - Extended Dynamic Range

EDR (Extended Dynamic Range) is an image processing tool exclusive to some of the Dino-Lite Edge models. For surfaces with large variation in brightness, the EDR capture tool can be ideal for capturing a more neutral image of the surface by only a few clicks.

The EDR capture mode takes three pictures at different exposure levels (standard, underexposed and overexposed) and stacks them into a clear image automatically with one click of the mouse.

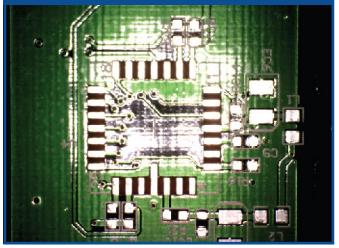
The EDR images can be stored and viewed in the DinoCapture software ***(Windows only)***.

Some exceptions apply. Please refer to the Dino-Lite model overview on page 57.

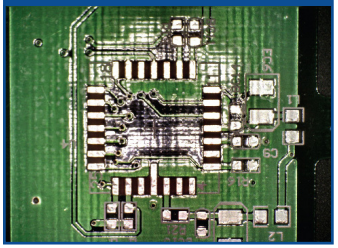
Ideal for objects with large variations in brightness, EDR significantly increases the dynamic range by stacking images taken at different exposures with a single click.

Note: EDR is available on Windows PCs only.

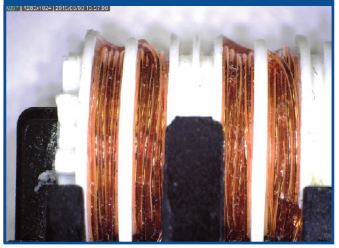
Without EDR



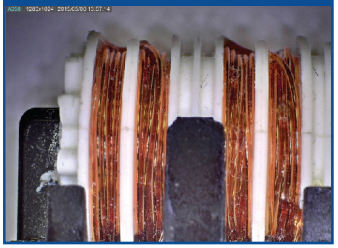
With EDR



Without EDR



With EDR



Extended Dynamic Range (EDR)

AMR - Automatic Magnification Reading

The AMR function automatically detects and displays the magnification of the Dino-Lite. The magnification is displayed within the Dino-Lite software and stored with the captured picture.

The AMR function simplifies the measuring process and improves the accuracy of the measurement. AMR is featured when high precision and/or calibrated (calibration is done manually) measurements need to be made.

AMR is only available on specific Edge series AMR models.

Some exceptions apply. Please refer to the Dino-Lite model overview on page 57.

By enabling the software to automatically read the magnification from the device, AMR simplifies measurement tasks and improves measurement accuracy.

Automatic Magnification Reading (AMR)

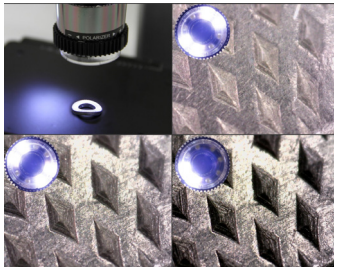
FLC - Flexible LED Control

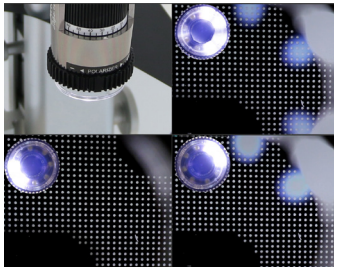
With the Flexible LED Control (FLC) function the Dino-Lite LED's can be controlled and adjusted. The LED's on the Dino-Lite models with the FLC function are divided into four different quadrants which can be adjusted separately.

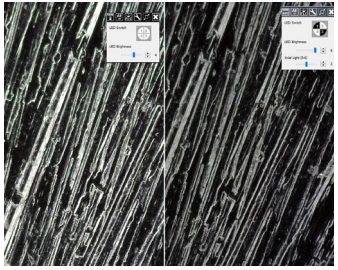
Six levels of illumination can be chosen. The FLC function is useful when objects need to be illuminated from the side or when certain parts of the object need more or less light.

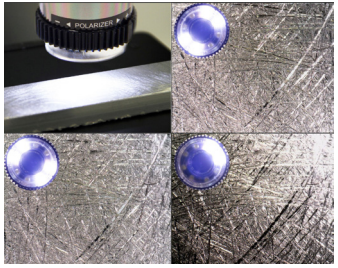
Some exceptions apply. Please refer to the Dino-Lite model overview on page 57.

With 4-quadrants switching capability and 6-levels luminance adjustability, the FLC provides greater controllability over the built-in LEDs.









FLC

Flexible
LED Control
(FLC)

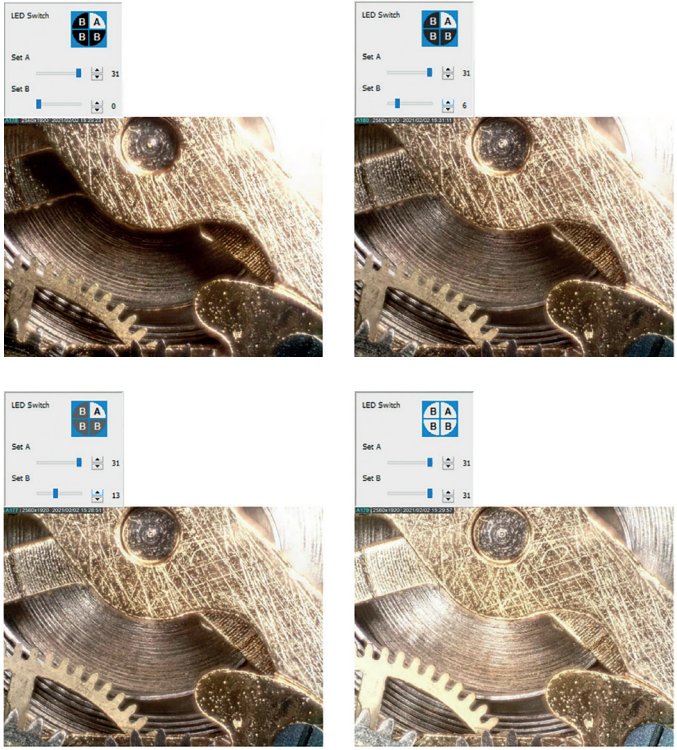
eFLC - Enhanced Flexible LED Control

Some advanced models feature eFLC, accessible in DinoCapture. This provides users with more control over the lighting. Quadrants can now be assigned to two separate groups. Each group has independent control of the LED intensity with levels of brightness ranging from 0 to 31.

eFLC (Enhanced Flexible LED Control) is a feature available with specific models that provide flexible illumination control over the target. With eFLC, LED quadrants can be assigned between two sets, and their light intensity levels adjusted independently. This feature allows lighting setups to mimic a key light and sidelight to reveal more details and create more vivid pictures.

Some exceptions apply.

This functionality applies to specific Dino-Lite models with the new eFLC feature used with the latest DinoCapture version.



eFLC

Enhanced Flexible LED Control (eFLC)

Coaxial Illumination

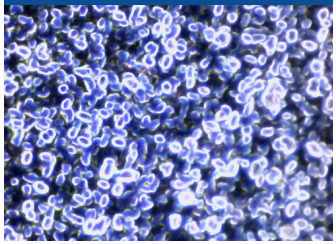
With Coaxial Illumination the light is on the axis of the optical path and is therefore only illuminating the part of the sample that is also seen by the microscope. Inside the Dino-Lite Coaxial models there is an LED built-in on the side. This LED shines its light onto a mirror which acts like a beam splitter that projects the light directly onto the sample and also allows the image that is formed to be returned straight up to the Edge sensor.

The most commonly used application for Coaxial Illumination in the semiconductor industry is the quality control and inspection wafer plates. With standard brightfield illumination the structures and overlaying structures are not all visible, while with Coaxial Illumination these details will appear. Other applications are the inspection of polished and chemically treated metal surfaces, inspection of microchips, microelectronics and many other surfaces that appear flat or without contrast when using brightfield illumination.

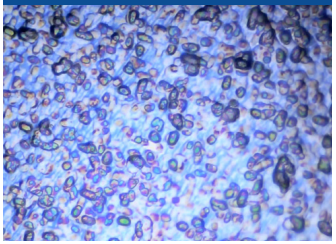
Some exceptions apply. Please refer to the Dino-Lite model overview on page 57.

Casting light through the lens, the built-in and software controllable AXI is designed to provide Axial or brightfield illumination, making it ideal for observing reflective surface under high magnification.

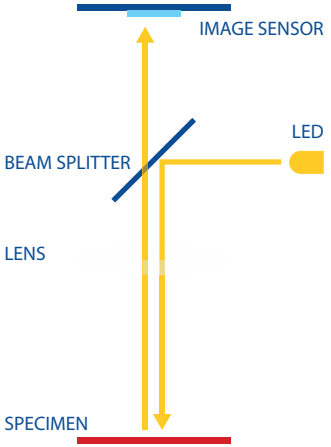
Without Coaxial Illumination



With Coaxial Illumination



Coaxial Illumination



DPQ - Depth Acquisition

Dino-Lite's EDOF feature is made possible by a special lens capable of shifting the focus forward or backward on command. For years, this feature has helped users generate high-quality, focus-stacked images quickly and easily.

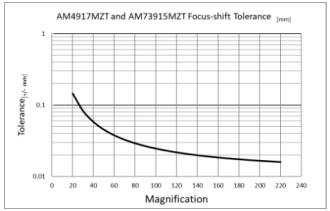
More recently, the focus-shifting capabilities have been further refined and quantified. This has enabled us to expand the capabilities of newer EDOF-capable models with a depth acquisition tool known as DPQ. To take advantage of this feature, simply start with the Dino-Lite in focus on one feature, then use Refocus Mode to shift the focus to a different feature on your specimen.

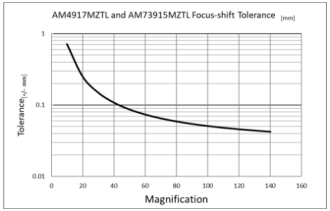
With the Edge^{PLUS} AM4917 and Edge 3.0 AM73915 series, Dino-Lite has enhanced its Depth Acquisition (DPQ) capability and accuracy, achieving a new level of precision. Unlike previous models that obtained depths from EDOF-stacked images, the AM4917 and AM73915 series use delicate focus adjustments to acquire more accurate depths from minute increments of focus change.

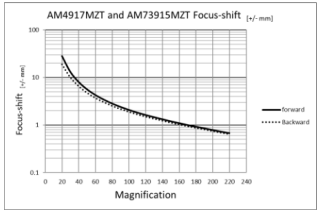
DPQ (Depth Acquisition) is only available with compatible DPQ Dino-Lite models and DinoCapture for Windows.

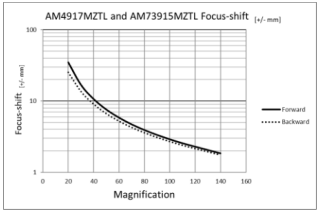
Some exceptions apply.

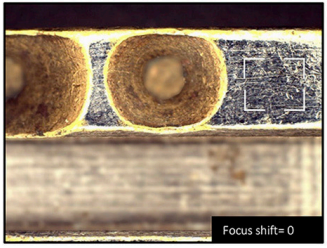
When performing DPQ, its maximum depth range and tolerance are determined by the magnification being used. This section shows the variations in maximum depths and tolerance at different magnifications in AM4917 and AM73915 models.

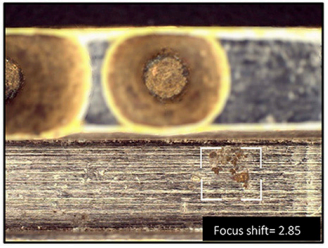












Depth Acquisition (DPQ)

Polarizing filter

Many Dino-Lite models offer a built-in polarizing filter. A polarizer is an optical filter that polarizes the light passing through it, which is used for reducing reflections on shiny objects and for improving contrast. The Dino-Lite polarizer can be switched on/off or can be adjusted to offer full or half polarization. A polarizer filter is highly featured when working with shiny or reflective objects such as metal, plastic, glass, jewelry or electronics, but also for use in dermatology for skin or scalp check.

Microscopes with polarizers are a crucial tool to modulate light and use it to study materials in many different ways. Dino-Lite polarizing digital microscopes have been designed to reduce glare, view subsurface layers, and improve image contrast. When used with a backlight polarizer, users are able to detect mechanical stress, as well as identify optically anisotropic materials. Dino-Lite polarizing microscopes are used in a wide range of fields, including forensics, manufacturing, health, mineralogy, research, and biology.

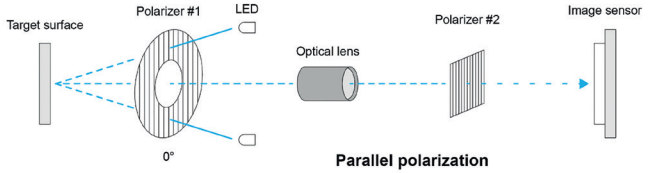
All models that include a "Z" in the product code are equipped with a polarizer

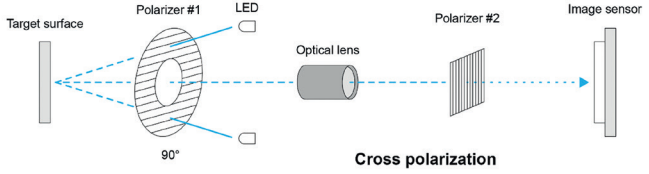
Some exceptions apply. Please refer to the Dino-Lite model overview on page 57.

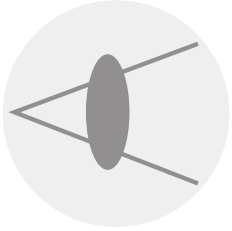
Models with a built-in polarizer are designed to reduce glare, view subsurface layers, and improve image contrast. When used with a polarized backlight, users are able to detect mechanical stress in transparent objects, as well as identify optically anisotropic materials.

Without Polarizer

With Polarizer







Polarizer
Anti-reflection

Dino-Lite Universal

The Dino-Lite Universal series offers a broad range of products that deliver the highest image quality, combined with user-friendly software featuring comprehensive measurement functions and several unique hardware and software capabilities to meet the needs of the most demanding users. This series includes Dino-Lite models with USB connections, offering magnifications of up to 220x and image resolutions of 1.3 MP, 5.0 MP or 8.0 MP.

For working with reflective objects, models with built-in polarization filters and adjustable polarization are available. For enhanced durability and aesthetics, we offer models with robust metal housing. The Dino-Lite Edge series is a special category within the Universal range, providing superior image quality and greater flexibility. The high-quality optics ensure a sharp, bright and naturally colored image with minimal aberration and vignetting.

Additionally, the exchangeable caps offer even more flexibility for various professional applications.

More details about the exchangeable caps can be found on page 43.

Key features

- 1.3 MP, 5.0 MP or 8.0 MP
- With or without polarization filter
- Metal housing or composite housing
- Adjustable Magnification with magnification lock
- Wired or wireless solutions
- DinoCapture for Windows and DinoXcope for macOS available on www.dino-lite.eu

Standard (AM) models

Wireless ready (AF) models

Wireless (WF) models

Featured Product

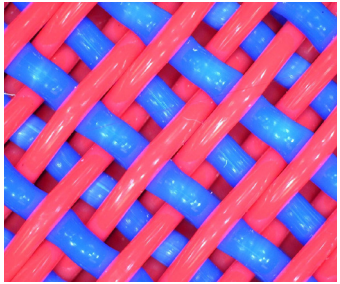
AM8917MZT

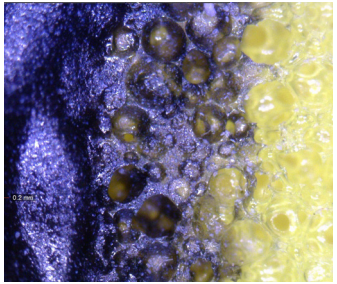
8.0 MP - Edge Sensor - Polarizer - EDOF - EDR - AMR - eFLC - DPQ

Pushing the limits of handheld digital microscopy, the 8.0 MP AM8917MZT is a high-resolution digital microscope capable of revealing the minute details of the target. The microscope also delivers outstanding color fidelity, enhancing the imaging experience with detailed and natural-looking results. Ready to perform a wide range of tasks, AM8917MZT offers a polarizer as well as DPQ, EDOF, EDR, AMR, and eFLC.

The 8.0 MP sensor captures a large field of view with a 16:9 aspect ratio and delivers natural-looking colors and enhanced image contrast at a resolution of up to 3840 x 2160.

Recommended use
The Dino-Lite AM8917MZT 8.0 MP digital microscope is recommended for professional applications requiring high-resolution imaging, such as detailed industrial inspections, biological research, and precise quality control.





- 8.0 Megapixels 3840 x 2160
- Adjustable ~10x-220x
- USB 2.0
- Automatic Magnification Reading (AMR)
- Extended Dynamic Range (EDR)
- Extended Depth Of Field (EDOF)
- Enhanced Flexible LED Control (eFLC)
- Depth Acquisition (DPQ)
- Polarizer Anti-reflection

Dino-Lite High Magnification

Dino-Lite models within the High Magnification series exceed 200x magnification, offering magnifications of 400x, 500x, and even an impressive 900x. Microscopes in this range provide image resolutions of 1.3 MP, 5.0 MP or 8.0 MP feature a USB connection, and include the user-friendly DinoCapture software. models with built-in polarizers to reduce reflection and models with extra robust metal housing are also available.

One of the top models is the Dino-Lite AM4515T8. With up to 900x magnification and high-resolution optics, it reveals details as small as 1.5 micrometers (µm). It also features a greater working distance at high magnification, making it easier to observe and manipulate very small objects under the microscope. These unique features make the Dino-Lite High Magnification models excellent tools for biomedical and scientific research, material analysis, electronics inspection, and any application requiring high magnification, versatility, and mobility.

Key features

- Magnification of up to 900x
- 1.3 MP, 5.0 MP or 8.0 MP
- With or without polarization filter
- Metal housing or composite housing
- Magnification lock for non fixed models
- EDOF/EDR only functions under Windows OS
- DinoCapture for Windows and DinoXcope for macOS available on www.dino-lite.eu

AM4515T8

AM4917MZT4

AF7515MZT4

AM73915MT8

AM8917MZT4

AM8917MT8

1.3 MP

5.0 MP

8.0 MP

Featured Product

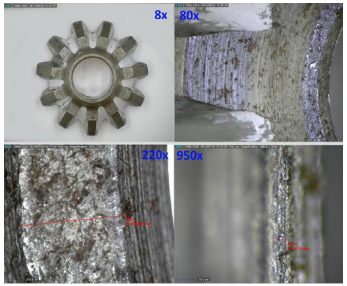
AM73915MT8

Edge Sensor - USB 3.0 - ~700 - 900x magnification - AMR - FLC - EDOF - EDR

At high magnifications, the thickness or roughness of targets may pose difficulties in focusing due to the small depth-of-field of microscopes. The Edge 3.0 AM73915MT8 microscope with 700x – 900x magnification provides EDOF to generate focus-stacked images. AM73915MT8 offers DPQ, EDOF, eFLC, AMR, EDR, a click-to-focus functionality for automatically changing focus to the point of interest, and smooth live imaging with a resolution of 5.0 MP at 15 fps or 1.3 MP at 45 fps.
This microscope has a narrow working distance and requires the use of a stand with precision control to adjust focus. This microscope cannot be used at magnifications lower than ~700x - 900x.

Note: EDOF, EDR, and DPQ are available on Windows OS only.

Recommended use
The Dino-Lite AM73915MT8 is an excellent inspection tool for biomedical and scientific research, material analysis, electronics inspection, or any similar applications that require high magnification, versatility, and mobility. Its USB 3.0 connection ensures fast data transfer and reliable performance.



- 5.0 Megapixels 2592 x 1944
- Adjustable ~700x-900x
- USB 3.0
- Automatic Magnification Reading (AMR)
- Extended Dynamic Range (EDR)
- Extended Depth Of Field (EDOF)
- Enhanced Flexible LED Control (eFLC)
- Depth Acquisition (DPQ)
- Metal Housing

Dino-Lite Long Working Distance

For tasks requiring extra distance to the object and a larger field of view, Dino-Lite offers a series of long working distance microscopes. The extra working distance and larger field of view make this series an ideal solution for tasks such as repair, rework, assembly, or working with bulky or fragile objects that cannot be touched.

Microscopes in this range offer image resolutions of 1.3 MP or 5.0 MP, a USB connection, and the user-friendly DinoCapture software for Windows or macOS. models with built-in polarizers to reduce reflections and models with extra robust metal housing are also available. The maximum magnification reaches 140x, which is usually more than sufficient for these kinds of applications.

Specifically designed with the electronics industry in mind, Dino-Lite offers several ESD-safe models with long working distances and larger fields of view.

Key features

- Magnifications of ~10x-140x
- Long working distance of up to 22,5 cm (TF models up to 43 cm)
- 1.3 MP, 5.0 MP or 8.0 MP
- With or without a polarization filter
- Edge series with Extended Depth of Field (EDOF), Extended Dynamic Range (EDR), Automatic Magnification Reading (AMR) and Flexible LED Control (FLC)
- DinoCapture for Windows and DinoXcope for macOS available on www.dino-lite.eu

AM4113 series

AM41xx/45xx/48xx series

AM4013xx series

AM7115xx/AM7515xx/ AM7915xx series

AM8xxxMZTL series

Featured Product

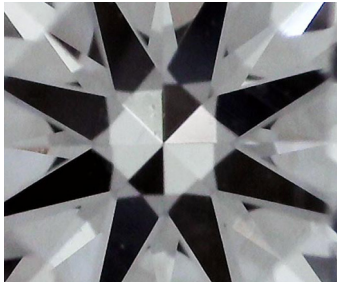
WF7915MZTL

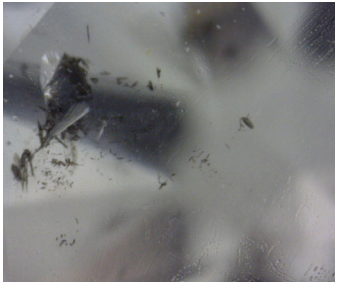
5.0 MP - Edge Sensor - Polarizer - EDOF - EDR - FLC - AMR - DPQ - WIFI

Using the latest advanced optics, a brand new 5.0 MP sensor, and several special features, the Dino-Lite WF7915MZTL is the best choice for high-demand professionals. The Dino-Lite WF7915MZTL offers superb image quality and color reproduction.

The Extended Dynamic Range (EDR) feature reveals details in darker or brighter areas by stacking images at different exposure levels. The Extended Depth of Field (EDOF) feature automatically stacks images at different focus levels to improve the depth of field on rough or uneven surfaces. With the built-in automatic magnification reading (AMR), measurements can be performed easily and quickly.

Recommended use
The Dino-Lite WF7915MZTL, with its wireless connectivity, proves invaluable in various fields. In electronics, it facilitates the precise inspection of circuit boards and components for quality control and repair. In material sciences, it offers detailed examination of material structures and properties, aiding research and development endeavors.





- 5.0 Megapixels 2592 x 1944
- Adjustable ~10x-140x
- USB 2.0
- Automatic Magnification Reading (AMR)
- Extended Dynamic Range (EDR)
- Extended Depth Of Field (EDOF)
- Flexible LED Control (FLC)
- Depth Acquisition (DPQ)
- Polarizer Anti-reflection

Dino-Lite Special lighting

Many specialized applications in science, forensics, industry, engineering, and the medical field require special lighting. For these specific applications, Dino-Lite offers models with ultraviolet lighting, infrared lighting, fluorescent lighting, or combinations of these lighting types. Dino-Lite microscopes in this range provide optical resolutions of 1.3 MP or 5.0 MP, feature USB connections, and include the user-friendly DinoCapture or DinoXcope software. Magnifications range from medium to high, up to approximately 500x.

Models with extra robust metal housing are also available in this range. The widely acclaimed series of Dino-Lite fluorescence microscopes are considered the world's smallest fluorescence microscopes. Compared to traditional fluorescence microscopes with band-pass emission filters, Dino-Lite's long-pass emission filters provide greater visibility and sensitivity over a larger range of fluorescence wavelengths.

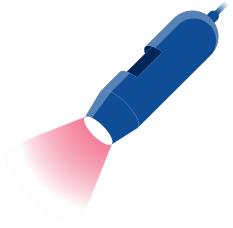
Ultraviolet (UV)

Dino-Lite handheld microscopes with **Ultraviolet (UV)** light or a combination between UV and white light.

Fluorescence (FL)

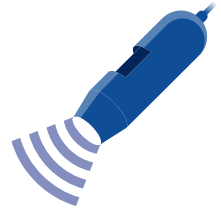
Dino-Lite handheld microscopes with **Fluorescent (FL)** LEDs to detect Fluorescence from 400nm to 620nm.

Infrared (IR)



Dino-Lite handheld microscopes with **Infrared (IR)** light or combinations between infrared and ultraviolet light.

Stroboscopic light



Dino-Lite handheld microscopes with **Stroboscopic** technology to capture fast moving objects.

UV models

UV 375nm

AM4113FVT2

UV 375nm + White

AM4115T-FUW
AF / AM4515T-FUW
AM4517MT-FUW
AM7115MT-FUW
AM8517MT-FUW

UV 395nm

AM4115-FVT
AF4515-FVT

UV 395nm + White

AM4113T-FVW
AM4115T(L)-FVW
AF4515T(L)-FVW

Infrared models

780nm

AF4515-FKT
AM4115-FKT

850nm

AM4115-FIT
AF / AM4515-FIT

940nm

AM4115-FJT
AM4815-FJT
AF4515-FJT
AF4915-FJT

UV and Infrared models

940nm (Infrared) & 395nm (UV)

AM4115T-JV
AM7115MTL-JV
AM8117MTL-JV

940nm (Infrared) & 375nm (UV)

AF4515T-JU

Fluorescence models

CFVW
EX: 400nm
EM: 420 ~ 650nm

AM4115T-CFVW
AM4517MT-CFVW

YFGW
EX: 520nm
EM: 570-650nm

AM4115T-YFGW
AM4517MT-YFGW

DFRW
EX: 620nm
EM: 655 nm ~ 950nm

AM4115T-DFRW
AM4517MT-DFRW

GFBW
EX: 465nm
EM: 510 ~ 620nm

AF / AM4115T-GFBW
AM4515T4 (8) -GFBW

G2FBW
EX: 465nm
EM: 510nm ~ 545nm

AM4517MT-G2FBW
AM4917MT-G2FBW

RFYW
EX: 575nm
EM: 615nm ~ 650nm

AM4115T-RFYW
AM4517-RFYW

GRFBY
4x EX: 465nm
EM: 505-535nm

4x EX: 580nm
EM: 610-650nm

AF4115T-GRFBY

BFCW
EX: 435nm
EM: 475-650nm

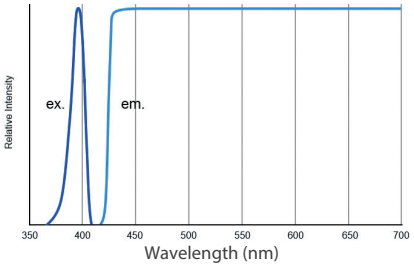
AM4517MT-BFCW
AM4917MT-BFCW

Powerful, compact, and portable fluorescence, ultraviolet, and infrared lighting.

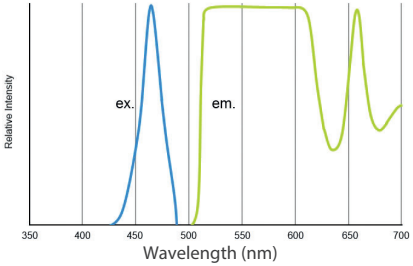
For a consult regarding your application needs, contact us at **support@dino-lite.eu** or visit w**ww.dino-lite.eu**

Fluorescence model spectral charts

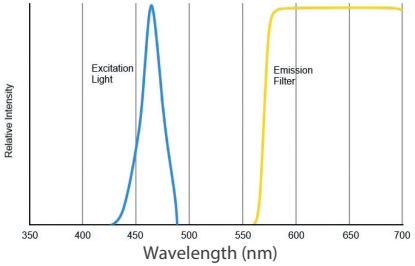
CFVW



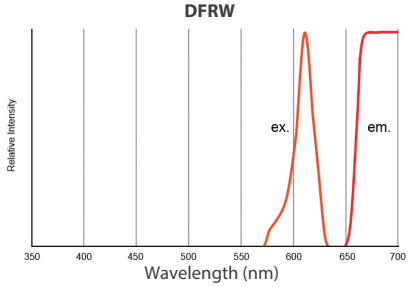
GFBW



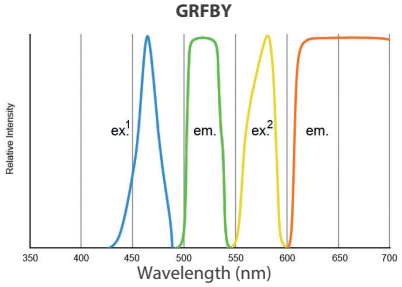
YFGW



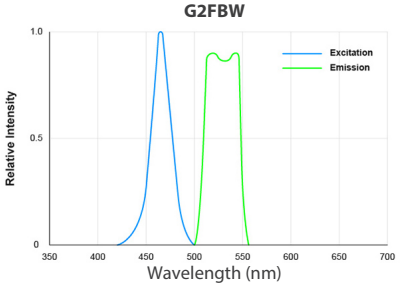
DFRW



GRFBY



G2FBW

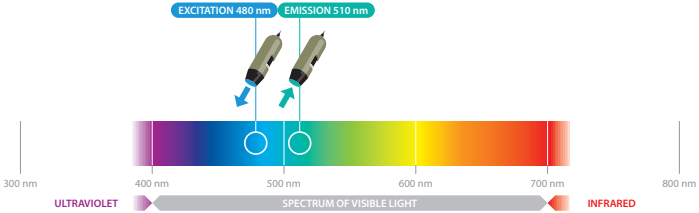


Featured Product

AM4115T-GFBW, fluorescence

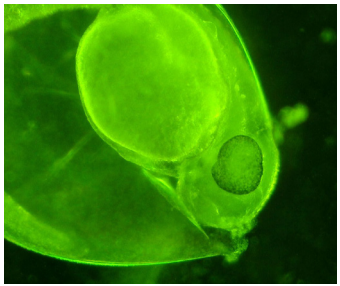
Edge Sensor - 1 White / 7 FL LEDs - Excitation at 480 and emission from 510nm

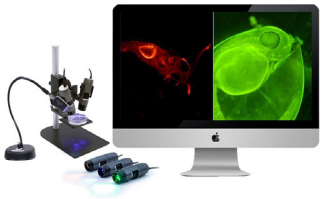
The Dino-Lite AM4115T-GFBW digital microscope is designed for researching and viewing fluorescent objects using blue LEDs. With a 510 nm emission filter, it specifically observes green fluorescence, including GFP. Its high-pass type emission filter enhances visibility and sensitivity across a broader range of fluorescence wavelengths, making green fluorescent objects stand out with a vivid green glow.



Recommended use

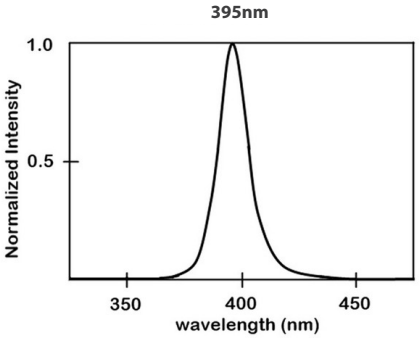
The AM4115T-GFBW can switch between blue and white LEDs, making it convenient for locating and easily focusing on objects.

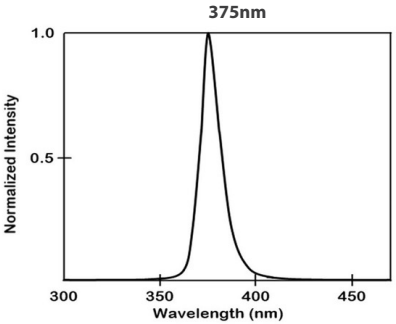




- 1.3 Megapixels 1280 x 1024
- Adjustable ~20x-220x
- USB 2.0
- Fluorescent LEDs ~ 480nm
- Standard Working Distance
- Measurement Functionality
- Magnification Lock
- Exchangeable Caps
- 8 White LEDs Switchable

Ultraviolet model spectral charts



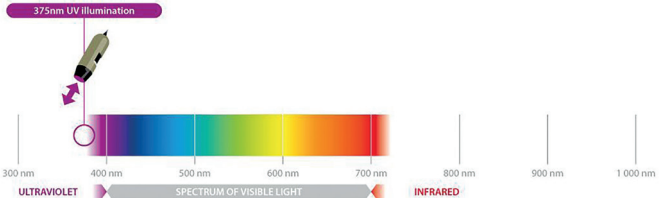


Featured Product

AM7115MT-FUW

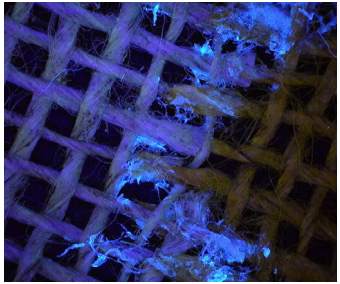
5.0 MP - Edge Sensor - 4 UV x 4 White Leds - 375 nm UV

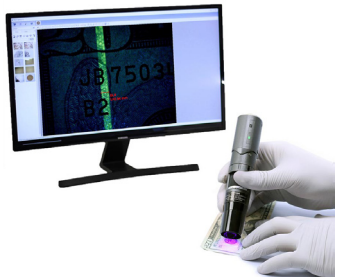
The Dino-Lite AM7115MT-FUW is part of the Dino-Lite special light range. This model features two types of switchable LED lights: white and UV. The UV LEDs are near-UV LEDs with a spectrum of 375 nm. This model offers a standard working distance, a wide magnification range from 20x to 220x, and comes equipped with a high-quality 5.0 MP Edge sensor.



Recommended use

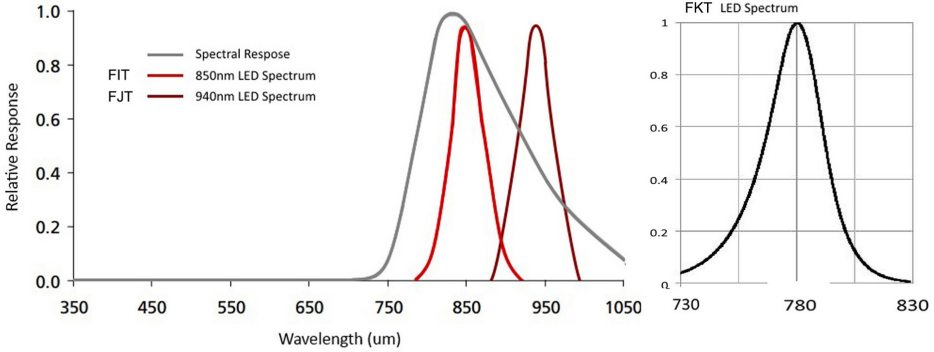
AM7115MT-FUW has a high sensitivity digital microscope which enhances UV features of paintings, trace evidence, and security print documents and more.

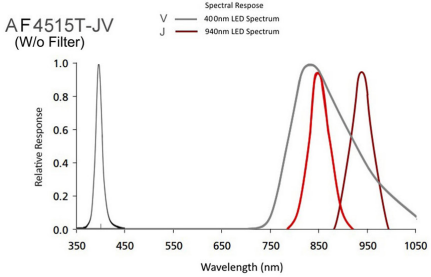


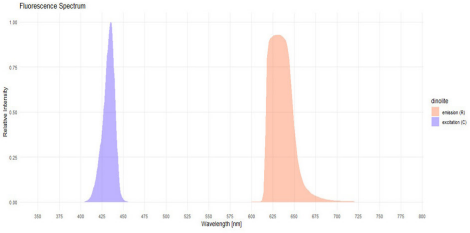


- 5.0 Megapixels 2592 x 1944
- Adjustable ~20x-220x
- USB 2.0
- Measurement Functionality
- Flexible LED Control (FLC)
- Exchangeable Caps
- UV-LEDs 375 nm
- Metal Housing
- Magnification Lock

Infrared model spectral charts







Featured Product

AM4115-FJT

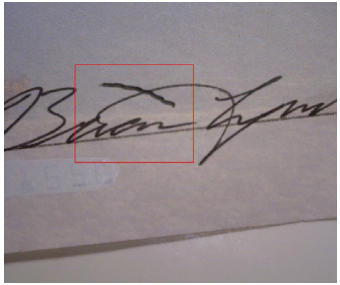
1.3 MP - Edge Sensor - 8 Leds - 940 nm IR

The Dino-Lite AM4115-FJT handheld digital microscope features 940nm infrared LED lighting. The AM4115-FJT views and records images at 1.3 Megapixels which lets you view objects with great image quality. This model can magnify at various magnifications depending of distance with a maximum magnification of 200X. It also has an amazing yet easy to use MicroTouch trigger (touch sensitive static sensor).

The MicroTouch feature on the handheld digital microscope gives users the option of taking a picture right from the scope itself. The MicroTouch was designed to minimize image blur while taking a picture with the microscope. Great for those moments when you need to take a picture, but having a hard time reaching the computer.

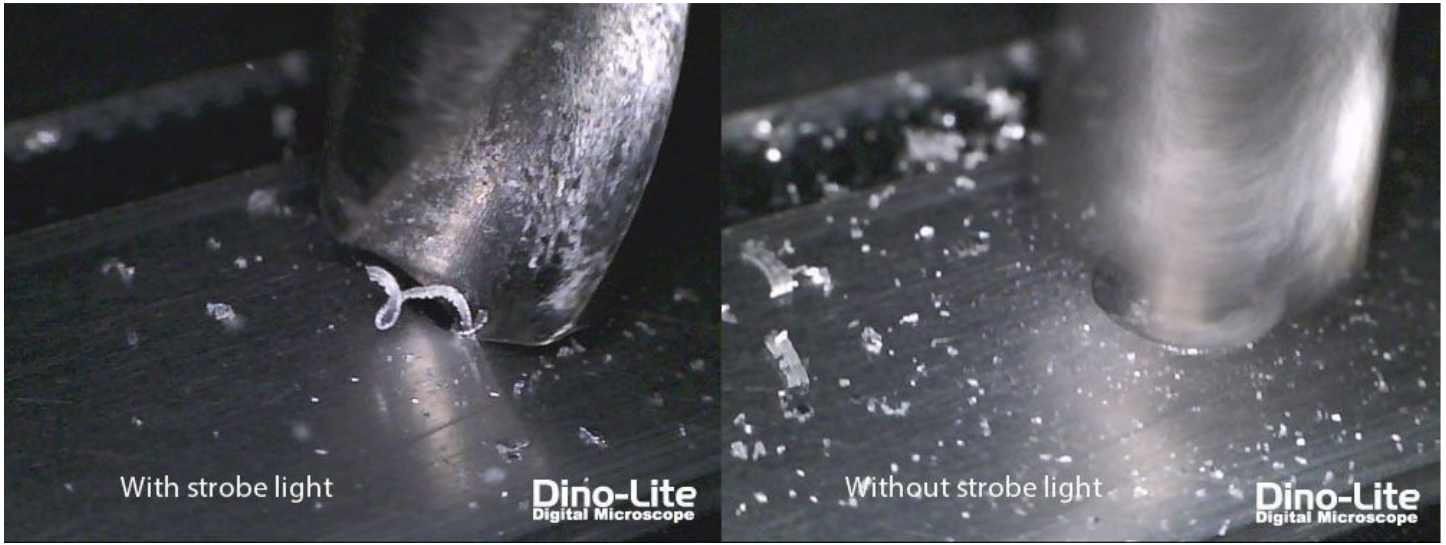
Recommended use

The Dino-Lite AM4115-FJT is specifically designed for applications requiring infrared (IR) inspection, making it suitable for fields such as electronics, forensic science, and art restoration. The IR capabilities allow for detailed examination of circuit boards, detection of alterations in documents, and analysis of underdrawings in paintings.



- 1.3 Megapixels 1280 x 1024
- Adjustable ~20x-220x
- USB 2.0
- Measurement Functionality
- Flexible LED Control (FLC)
- Exchangeable Caps
- Infrared LEDs ~ 940nm
- Metal Housing
- Magnification Lock

Stroboscopic light



The strobomicroscope technology enables the user to capture fast moving objects in a very easy and convenient way.

It can be used for monitoring production lines in a manufacturing environment, observing living creatures in a laboratory environment or any other application with fast-moving objects. The AM3715TB has a refresh rate of 30fps. The stroboscopic light mode can be switched on and off. With external trigger to synchronize picture capturing.

The strobomiscroscope technology is effective between 3cm to 15cm and under low ambient lighting. Works best with lighting less than 20 LUX and non effective over 80 LUX.

Featured Product

AM3715TB

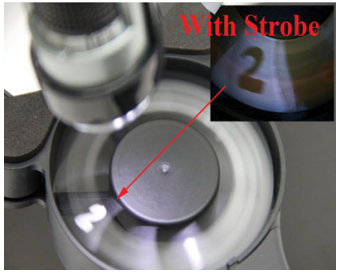
VGA - Edge Sensor - 4x4 Leds - 375 nm UV + White

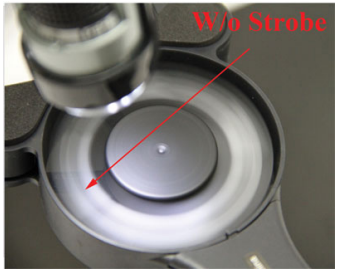
The Dino-Lite digital handheld microscope features a strobomicroscope mode that takes perfect pictures each time by reducing motion blur while under magnification. It includes strobe LED brightness control for efficient strobe illumination. The strobomicroscope mode strobes the lights at a constant 60 fps at 640 x 480 resolution, allowing for low latency and practically motion blur-free images and recordings.

For optimal results, the environmental lighting should be lower than normal, and the AM3715TB should be closer to the object being viewed. The strobe LED brightness control helps illuminate objects for optimal performance over a variety of environments and distances. Without utilizing the strobomicroscope mode, the LEDs can still be set to the standard on/off setting.

Recommended Use

The AM3715TB is great for monitoring production lines in a manufacturing environment or observing subjects such as tadpoles in a laboratory. Shaky or moving objects are ideal environments to utilize the strobomicroscope mode feature.





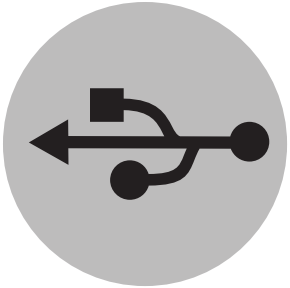
- VGA Resolution 640 x 480
- Adjustable ~20x-220x
- USB 2.0
- Measurement Functionality
- Exchangeable Caps
- Magnification Lock
- Scroboscopic LEDs
- Standard Working Distance
- 8 White LEDs Switchable

Dino-Lite High Speed

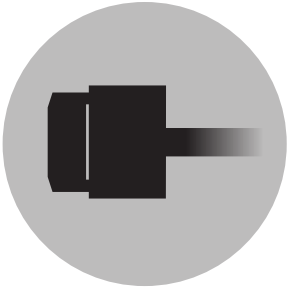
For working in environments where you do not want to use a computer, or when a high speed stream is required, a Dino-Lite with USB 3.0, DVI, VGA or direct TV connection might be the best solution.

The Dino-Lite series with a VGA connector can be plugged directly into a computer monitor (VGA screen) and the DVI and TV models can be connected directly to the TV screen.

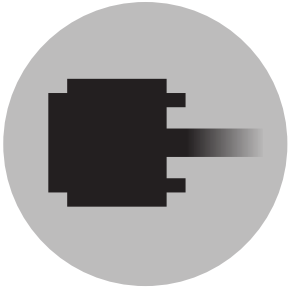
A great advantage of the high-Speed real-time models is that they offer a high frame rate of up to 60 frames per second. This is especially beneficial in situations where real-time images are critical, such as when working on PCBs or with objects that need to be moved around under the micro-scope.



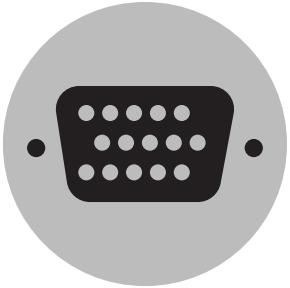
High speed models that connect directly to a computer via a **USB 3.0** connector.



High speed models that connect directly to a computer or TV screen via a **HDMI** connector.



High speed models that connect directly to a computer or TV screen via a **DVI** connector.



High speed models that connect directly to a computer screen via a **VGA / D-SUB** connector.

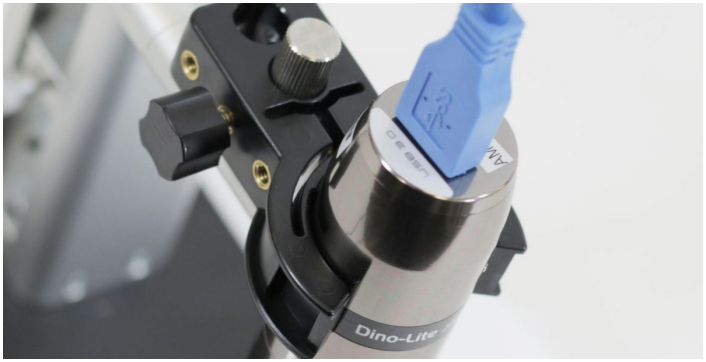
Edge 3.0 connection models

USB 3.0, 5MP models have uncompressed data transmission, unleashing the power of Edge optics and higher frame rates. The uncompressed video encoding ensures the best image quality every time, making it ideal for video production, printing images, and automated image analysis in third-party programs.

The metal body ensures maximum durability, while the high-quality, replaceable USB 3.0 cable helps minimize cost and downtime if the cable is damaged.

USB 3.0 introduces a new transfer mode called 'SuperSpeed' (SS), capable of transferring data up to 5 Gbits/s (625 MB/s).

Dino-Lite models with USB 3.0 offer an image transfer speed of up to 45 fps at a 1280 x 960 resolution. SuperSpeed allows users to take full advantage of the Dino-Lite Edge series optics, including improved color accuracy and image quality.



How do Dino-Lite microscope benefit from USB 3?

USB 3.0 uses a transfer mode called “Super Speed” (SS) capable of transferring data up to 5 Gbits/s (625 MB/s). With this improved speed comes improved quality which also requires more resources. Dino-Lite models with USB 3.0 allows for an increase in smooth high quality imaging up to 45FPS at 1280 x 960 resolution. Super Speed allows users to take advantage of the full power of the Edge Series optics including improved color accuracy and image quality.

Recommended System Requirements

- Windows 7, 8, 10, 11 or Mac OS 10.9 or newer
- Intel® Core™ i5 3.2GHz
- 20 GB available HD space
- 8 GB of available RAM or more
- 512 MB video memory or more
- USB 3.0 with Intel chipset

Featured Product

AM73915MZT

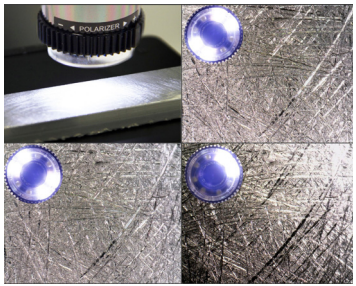
Edge Sensor - USB-3.0 - FLC, AMR, EDOF, EDR, DPQ

The AM73915MZT is one of the most high-end Dino-Lite products available and the top-level product within the Dino-Lite USB 3.0 range.

This model features a magnification range of 10x to 220x and a standard working distance of up to 6 cm. As a member of the Dino-Lite Edge family, it boasts the latest advanced optics, an unmatched 5 MP sensor, and several special features such as Extended Depth of Field (EDOF), Enhanced Dynamic Range (EDR), Automatic Magnification Reading (AMR), Flexible LED Control (FLC), a built-in polarization filter, a full metal body, extensive measurement functions, calibration, and exchangeable front caps.

Recommended Use
The AM73915MZT is ideal for professionals seeking high speed data transfer, the best available image quality, and advanced features.

Flexible LED Control (FLC)



- 5.0 Megapixels 2592 x 1944
- Adjustable ~10x-220x
- USB 3.0
- Automatic Magnification Reading (AMR)
- Extended Dynamic Range (EDR)
- Extended Depth Of Field (EDOF)
- Flexible LED Control (FLC)
- Metal Housing
- Polarizer Anti-reflection

Key points of the Dino-Lite HDMI connection models

Direct connection to monitors:

HDMI models can be directly connected to any HDMI monitor or tv without needing a computer. This feature is particularly useful for presentations, live demonstrations, and education.

High-resolution imaging:

These models typically offer high-definition resolution, providing clear and detailed images. This makes them suitable for applications requiring precise visual details, such as electronics inspection, biological research, and industrial quality control.

Real-time viewing:

The HDMI connection allows for real-time viewing with minimal lag, which is crucial for live examinations and immediate assessments.

High frame rates:

HDMI connections in Dino-Lite microscopes typically support higher frame rates, often up to 60 frames per second (fps) at 1080p resolution. This high frame rate ensures smooth and fluid video playback, which is essential for applications requiring detailed motion analysis or real-time observation.

Ease of use:

HDMI Dino-Lite models are user-friendly, often featuring simple plug-and-play functionality. This means minimal setup is required, allowing users to start viewing images quickly.

Versatility:

Dino-Lite HDMI microscopes can be used in various fields including education, healthcare, manufacturing, and research due to their versatile and high-quality imaging capabilities.

Featured Product

AM5218MZT

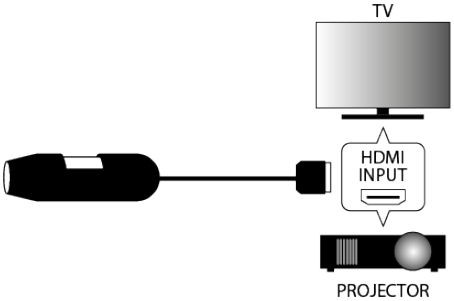
HDMI Connector - 720p - 60 FPS

The Dino-Lite Edge Series AM5218MZT connects directly to HDTV or LCD monitors via DVI or HD interface in HD 720p format. Equipped with a built-in polarizer, it's ideal for quick inspections, assembly lines, presentations, training, and more. This updated model features a state-of-the-art lens design, offering outstanding image quality with exceptional sharpness, minimal aberration, and virtually no vignetting across the full magnification range hallmarks of the Dino-Lite Edge Series.

The adjustable polarizer enhances visibility of details often lost under direct lighting, supporting a magnification range of 20x–220x. The MicroTouch sensor allows users to freeze the live image with a one-second press, or switch the LEDs on/off by holding it for two seconds.

Recommended Use

The AM5218MZT is ideal for real-time inspections, quality control, and live demonstrations in environments where speed and clarity are essential. Its direct HDMI output and built-in polarizer make it especially suited for working with reflective surfaces and fast-paced workflows.



- High Definition (HD) 720p
- Adjustable ~10x-220x
- HDMI Connector
- Framerate 60 FPS
- Magnification Lock
- Standard Working Distance
- 8 White LEDs Switchable
- Metal Housing
- Polarizer Anti-reflection

Dino-Lite Basic

For general-purpose applications, where high image resolution and advanced hardware and software features are not strictly necessary, the Dino-Lite Basic series is a good choice. These Dino-Lite models are affordable and easy to use, yet still offer the same durability and quality as the more advanced Dino-Lite product series.

A basic version of the proprietary DinoCapture software is included with each Dino-Lite. The magnification of the microscopes ranges from 10x to 70x, and up to approximately 200x.

These models provide an economical and easy-to-use solution, mainly for home use and light professional applications.

AM3111

The Dino-Lite Basic AM3111 is an easy to use digital microscope that will stimulate interest and excitement for education and microscopy enthusiasts with magnification from 20x up to 200x depending of working distance. The AM3111 is an update to the AM2111 with increased durability and improved focus dial movement.

AF3113T

The Dino-Lite Premier AF3113T is a general-purpose model made with quality, providing fluid live-preview as well as wireless adapting capability. By attaching with WF-20 Wi-Fi streamer, the AF3113T could be transformed to a wireless microscope for mobile or wireless usage.

Dino-Lite wireless

Wireless without compromising on quality or specifications

As the industry standard for digital microscopy, Dino-Lite ensures there is no compromise on image quality, flexibility, software features, or ruggedness. It took two years to create an entirely new concept and design that upholds the premium quality of all Dino-Lite products and is compatible with major operating systems such as iOS, Android, and Windows.

The modular design allows users to switch between USB and wireless connectivity with the WF-20 wireless module. The compact form of the Dino-Lite enhances portability and flexibility. Please note that the WF-20 is not included with the package of an AF model.

The wireless capability of the Dino-Lite WF models, facilitated by the included WF-20 wireless module, significantly enhances the functionality and convenience of these digital microscopes. Overall, the wireless functionality of the Dino-Lite WF models, powered by the WF-20 wireless module, offers unparalleled flexibility, convenience, and efficiency, making it a valuable tool across various professional fields.

** software available on www.dino-lite.eu, Google Play and App Store.*

Wireless ready AF models

Wireless WF models

Wireless and wired

Wireless means flexibility

Multi-platform solution

WF-20 Wi-Fi streamer

Coupling with Dino-Lite AF series, the WF-20 is a Wi-Fi streamer adding further versatility, flexibility, and agility to Dino-Lite microscope. Thanks to stable image transmission and long battery life (more than 2,5 hours), the WF-20 is well suited but not limited to field applications. The WF-20 can also be configured as a wireless router for staying connected with internet or a network during usage.

The WF-20 allows AF microscope models to be used wirelessly in connection with an iOS (iPhone/iPad) or Android app on any tablet, smartphone or even in the DinoCapture 2.0 software for Windows computers. The WiFi streamer is ideal for field work or presentations and can stream from one Dino-Lite to multiple devices. When using the iOS app or DinoCapture, users can perform measurements and take advantage of the automatic magnification reading (AMR) with compatible Dino-Lite AMR and measurement models. The WF-20 can be used anywhere to create a WiFi signal for streaming the Dino-Lite live images. The free DinoConnect App for WF-10 can be downloaded from the App Store or Google Play.

Specification

Support protocol	Wi-Fi IEEE802.11b / g / n
Frequency	2.412GHz~2.485GHz
Battery operation time	2.5 hours (tested by using with AF4915)
Operation temperature	10~45℃ (50~113°F)
Unit dimension	58mm (L) x 36.5mm (W) x 32mm (H)
Unit weight	approx. 57g
Color	Grey: WF-20 White: WF-20(W)

Stable and reliable transmission
Streaming live image as crisp and fluent as if wired, the WF-20 is an ideal companion for wireless microscopy observation.

Note: *The fluency could be affected when the Wi-Fi channel is overcrowded.*

Wireless network connectivity
Stay connected while using wireless microscope. The WF-20 can easily be configured as a router to connect your mobile device with a Wi-Fi access point.

Long battery life
The battery life was not comprised despite WF-20's small size design. The WF-20 provides more than 2.5 hours of continuous usage with single charge.

Agility
The sleek, compact, and lightweight design maximizes WF-20's portability, answering the growing need of wireless microscopy applications.

Adaptable design
Compatible with every AF-series model, the WF-20 meets the professional need of using with various Dino-Lite microscopes.

Dino-Eye Eyepiece Camera

The Dino-Eye series from Dino-Lite revolutionizes traditional microscopy by converting your conventional microscope into a powerful digital tool. By simply replacing the standard eyepiece with a Dino-Eye digital Eyepiece camera, you can capture high-resolution images and videos directly to your computer or display device. These Eyepiece cameras are equipped with advanced CMOS sensors, offering automatic exposure control and vibrant color reproduction, ensuring clear and detailed imagery.

AM4025x

The AM4025X has different adapters to fit microscopes with 23, 30 or 30,5 mm eyepieces. Or it can be mounted to optical devices with a C-mount adapter.

- USB 2.0
- 1.3 Megapixels 1280 x 1024
- Measurement Functionality
- Fits 30 & 30,5 mm Oculars
- Connects to C-Mount

AM7025x (Dino-Eye Eyepiece HR)

The all new Dino-Eye Edge 5MP eyepiece camera provides superior image quality and true colour reproduction. This makes this new Dino-Eye suitable for demanding applications where true colour reproduction is of the utmost importance, like with pathology samples or quality control.

- USB 2.0
- 5.0 Megapixels 2592 x 1944
- Measurement Functionality
- Connects to C-Mount
- Fits 30 & 30,5 mm Oculars
- Extended Depth Of Field (EDOF)

Dino-Lite Accessories

Dino-Lite professional stands

A sturdy and reliable stand solution is a must-have for your high precision Dino-Lite digital microscope. A broad range of stands, caps, microscope tables and other accessories is offered. From affordable basic stands to a square metal base column stand. Or from an advanced XY table to a USB powered backlight. All original Dino-Lite accessories are made with the same high quality design and construction standards.

ESD-Safe Stand
This stand is designed to be Electrostatic Discharge (ESD) safe, offering protection against static electricity buildup. It helps prevent damage to sensitive electronic components and devices by safely dissipating static charges.

RK-04

- Portable rack
- Fast assembly

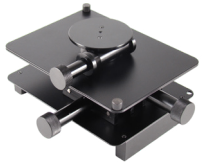
RK-04F

- Portable rack
- Fast assembly
- Focus adjustment

MS53B

- Flexible arm stand

MS15X



- Precision X/Y table

MS-W1

- Rolling stand

RK-02

- Gooseneck stand

RK-05

- Portable rack
- Tilt (30 degrees)
- Fast assembly

RK-05F

- Portable rack
- Tilt (30 degrees)
- Fast assembly
- Focus adjustment

MS53BA2

- Flexible arm stand
- Table base

For more info about Dino-Lite professional stands visit www.dino-lite.eu

RK-10A/RK-10F/RK-10FS

The Dino-Lite RK-10A is a high-end stand solution for all professional Dino-Lite models, offering stability and precision. Made from resilient stainless steel and lightweight aluminum, it features a precise fine-focus adjustment and a quick release button for fast vertical movement. The adjustable safety stop prevents the microscope from touching the specimen.

The RK-10F is an upgraded version of the RK-10, featuring an improved quick release button with an anti-backlash mechanism. The RK-10FS incorporates a heavier antistatic baseplate that suppresses external vibrations.

RK-06A

The Dino-Lite RK-06A is a versatile and robust stand solution for all professional Dino-Lite models, delivering exceptional stability and precision. Constructed from durable stainless steel and lightweight aluminum, it offers smooth vertical movement with its fine-focus adjustment and quick release button. The integrated safety stop ensures the microscope remains at a safe distance from the specimen.

The RK-06A is ideal for industrial, scientific, and laboratory environments, providing precise positioning and enhanced productivity.

RK-10-PX2

XY arm attachment
Stands: RK-10 and RK-06

RK-10-EX

Horizontal arm attachment
Stands: RK-10 and RK-06

RK-10-FX

Flexible arm attachment
Stands: RK-10 and RK-06

RK-10-VX

Vertical arm attachment
Stands: RK-10 and RK-06

Dino-Lite Basic Stand

A sturdy and reliable stand solution is a must-have for your high precision Dino-Lite digital microscope. A broad range of stands, caps, microscope tables and other accessories is offered. From affordable basic stands to a square metal base column stand. Or from an advanced XY table to a USB powered backlight. All original Dino-Lite accessories are made with the same high quality design and construction standards.

MS08B

Dimensions: 7.5cm(W)x10cm(L)x14,5cm(H)
Weight: 500 g

Compatible: All models except Long Working Distance (LWD)

The MS08B is an ultra-portable mini stand that securely holds the Dino-Lite in place whenever needed. It is an excellent accessory to enhance the portability of the Dino-Lite's microscopic solution.

MS12C

Dimensions: 8.2cm(W)x8.2cm(L)x7.6cm(H)
Weight: 500 g

Compatible: All models except Long Working Distance (LWD)

Variable view range caddy with two variable view range adapters, transparent. The MS12C is not compatible with polarizer models or models in the AD Pro 2 range. A base unit with two insert adapters providing three fixed working distance and magnification.

Dino-Lite Holders and Adapters

HD-M1

High grade metal holder for all Dino-Lite models, compatible with 8mm and 10 mm pin connector stands.

HD-P1

Universal holder for all Dino-Lite Professional models.

HL2

Universal holder for Basic Dino-Lite models.

HDE-01

The HDE-01 offers ergonomic handheld operation for vertical inspection by attaching to a Dino-Lite.

MS41A

Adapter to use the Dino-Lite holder (10mm opening) on third party stands with 8 mm clamp.

MS30A

Adapter to use the Dino-Lite holder on third party tripods (standard thread).

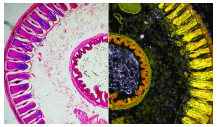
Dino-Lite Light Options

Dino-Lite Light & Control represents the forefront of digital microscopy technology, offering unparalleled precision and versatility for a wide range of applications. Designed to meet the highest standards of quality and performance, this advanced system provides seamless integration of lighting and control features. With adjustable lighting, high-resolution imaging, and user-friendly controls, Dino-Lite Light & Control ensures optimal visibility and clarity, making it an essential tool for professionals in fields such as biology, electronics, materials science, and more. Experience the future of digital microscopy with Dino-Lite Light & Control, where every detail matters.

SL-ZW1

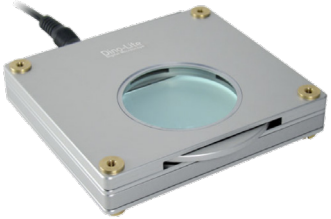
The SL-ZW1 is a polarized USB powered gooseneck light with the ability for the polarization to be adjusted by a simple rotation on the accessory itself. To take advantage of the polarizing light, the accessory is ideally suited to work with Dino-Lite models that have the polarization filter.

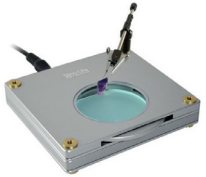
BL-CDW

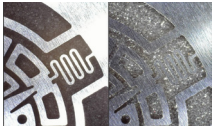


The Dino-Lite backlight stage BL-CDW allows two different types of lighting: brightfield and darkfield. In the brightfield mode, the light is transmitted from below the sample that shows up vividly showing the form and structure of the specimen on a bright background. With darkfield illumination, the transmitted light will not reach the microscope and will therefore not be part of the image.

BL-ZW2







Equipped with an adjustable and also a removable polarizer, BL-ZW2 backlight offers parallel to cross-polarization and can transmit plain light by removing the polarizer. BL-ZW2 is designed to image birefringent properties for distinguishing anisotropic from isotropic materials, detecting defects, or examining internal stresses, making it suitable for industry, petrography, and biology applications.

MS15X

The MS15X is an advanced XY table that can be used independently or in combination with the RK-06A or RK-10A column stands.

The MS15X X/Y table base with detachable rotating table is designed for use with all sorts of applications that require fine examination in an X- and Y-axis movement. With the 360 degree rotating table, one can easily carry out all kinds of precision examinations. The MS15X can be used stand-alone or attached to the RK-06A and RK-10A stands (with the included C-Clamps)

SW-F1

The SW-F1 allows you to take a picture with a simple step from your foot using the Dino-Lite or Dino-Eye digital microscopy solutions.

The foot pedal is only compatible with DinoCapture 2.0 for the PC and DinoXcope for Macintosh computers. No additional software is required, simply plug in the device into your USB port and it is ready to use.

KM-01

The KM-01 can be used to control the Dino-Lite focus wheel without touching the device. This is especially useful when the Dino-Lite needs to be isolated during use. The touch controls on the durable KM-01 control box provide instant response, but the KM-01 can also be controlled with the DinoCapture 2.0 software. The KM-01 can be mounted on the RK-04/RK-05/RK-06A/RK-10A Dino-Lite stands, or on 3rd party stands with a 10mm diameter pole.

The KM-01 is compatible with certain models of Dino-Lite. Please consult your local reseller or Dino-Lite Europe for further information.

Dino-Lite caps and extensions

In addition to the standard caps that are supplied with the microscopes, many additional caps are available, such as open, closed caps or polarized caps for generic applications and many special caps especially developed for specific applications. The diffuser is an additional snap-on plastic insert for the Dino-Lite handheld microscopes that causes the light to spread evenly therefore reducing the amount of glare that would be produced onto a reflective surface.

ZT-Z-CC1

Lens cover for AM/AF Basic, Pro/Premier series

Compatibility: Basic, Pro, Premier series (3111, 3113, 4113T, 4113ZT)

N3C-L

Long cap

N3C-O

Open cap

N3C-S

Sidelight cap

N3C-C

Closed cap

N3C-D

Diffuser Cap

N3C-E

Extended open cap

N3C caps compatibility list

Model	*Version*	*N3C-O*	*N3C-E*	*N3C-C*	*N3C-L*	*N3C-D / D2*	*N3C-S*
4115, 4117, 4515, 4517, 4815, 4917, 7115, 7515, 7915, 73115, 73515, 73915	Standard models: ZT, ZTL, MZT, MZTL, ZTW, ZTE, ZTLE	✔	✔	✔	✔	✔	✔
4115, 4515, 4117, 4517, 7115	Ultraviolet/Infrared models: FVW, FUW, FIT, FJT, FKT , FUT, FVT, FU, FV, FJ	✔ (the Black version)	✘	✘	✘	✘	✘
4115, 4117, 4515, 4517, 4815	Fluorescent models: CFVW, DFRW, GFBW, G2FBW, GRFBY, YFGW, RFYW	✔ (the Black version)	✘	✘	✘	✘	✘
4515, 7515, 73515	High magnification models: ZT4, T5, T8, MT4A, MT8A	✔	✘	✔	✘	✘	✘
4115, 7115, 73115	Extra Long Working distance models: ZTF	✔	✘	✘	✘	✘	✘
5216, 5218	VGA, HDMI models: ZT, ZTL	✔	✔	✔	✔	✔	✔

Dino-Lite front caps

Unlock the full potential of your Dino-Lite digital microscope with our specialized N3C-A and N3C-R front caps. The N3C-A cap provides Coaxial Illumination using a beam splitter to eliminate shadows and highlight fine details, making it ideal for inspecting reflective surfaces and small features. Meanwhile, the N3C-R cap offers shadow-less ring illumination by redirecting built-in LEDs to create uniform, diffused lighting, perfect for revealing intricate details without additional heat or weight.

N3C-A

Coaxial Light Cap

Answering the need for coaxial illumination, the N3C-A is designed to form coaxial front light simply by replacing the front cap of Dino-Lite Edge models. The coaxial front light, created by mirroring the light of the Dino-Lite with a beam splitter, may help to highlight scratches and dents on reflective surfaces, or to suppress shadowing when viewing objects inside deep holes. The compact and innovative design makes it an indispensable accessory.

N3C-R

Ring Light Cap

The N3C-R front cap provides shadowless ring illumination for the Dino-Lite Edge series, enhancing detail visibility by redirecting built-in LEDs into a focused, diffused light. Compatible with polarizer models like the AM4115ZT, it reduces glare without adding heat or weight. This economical, clip-on solution works best at distances of 2 to 15 cm and is not suitable for high magnification models such as the AM4515T5 or AM4515T8.

Dino-Lite various products

CS-30

Glass calibration slide

CS-41

Automatic calibration target (Edge Series)

F25MM

C-mount adapter for rigid endoscope

FC-L-TB1

Tube extension cap

MSAA502

Multipurpose adapter/ light shield

MSAH352

Silicone protection cover

CA1070

Sturdy watertight carrying case

RK-06-PL

Vertical extension pole kit

All original Dino-Lite accessories are made at the same high quality design and construction level.

Dino-Lite and PHOTONIC illumination systems

PHOTONIC optics develops high quality LED illumination systems for many different applications, including microscopy. For over 30 years PHOTONIC has been providing modular systems with an excellent price/performance ratio, making it the ideal partner for Dino-Lite digital microscopes.

Especially the Dino-Lite Long Working Distance and Extra Long Working Distance models can benefit from the flexible illumination systems of PHOTONIC. It complements the integrated LED's of the Dino-Lite microscopes perfectly.

F3000

LED light source

F5100

LED light source

F1

LED light source

** All other PHOTONIC items are also available through Dino-Lite Europe. For more info visit* ***www.dino-lite.eu/en/photonic***

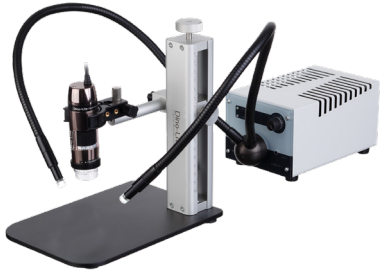
PH-deskset
10044-2colli

- High power LED spot, 2 pieces
- Flexible arms, 2 individual pieces
- Individually mounted on a base plate
- Control unit: brightness and on/off

PH-HPS set
10068 + 619-20-049

- High power LED spots
- 2-arms, flexible
- MS35/36B stand adapter
- Control unit: brightness and on/off

PH-F1 set
10030+595-20-167



- Fiber optic illumination, LED
- Fiber optic light guide: Double-arm goose-neck
- High power cold light source, metal housing
- Adjustable brightness control

Dino-Lite software

The Dino-Lite software is a powerful and user-friendly application designed to enhance the capabilities of your Dino-Lite digital microscope. With a variety of advanced features, this software provides seamless integration and control, allowing you to capture, analyze, and share high-quality images and videos with ease.

Key features:

Image and video capture: effortlessly capture still images and video recordings with just a click. The software supports various file formats to suit your needs.

Measurement tools: perform precise measurements directly within the software. Measure lengths, angles, and areas with accuracy, and easily annotate your findings.

Enhanced viewing: utilize features like real-time imaging, full-screen mode, and adjustable lighting to get the best possible view of your specimens.

Annotation and drawing: add text, arrows, and shapes to your images to highlight important details and observations.

Time-lapse recording: capture changes over time with the time-lapse function, ideal for observing slow processes or growth patterns.

Multi-language support: the software is available in multiple languages, making it accessible to users worldwide.

Compatibility: compatible with windows and macOS, ensuring a smooth experience regardless of your operating system.

Main software features:

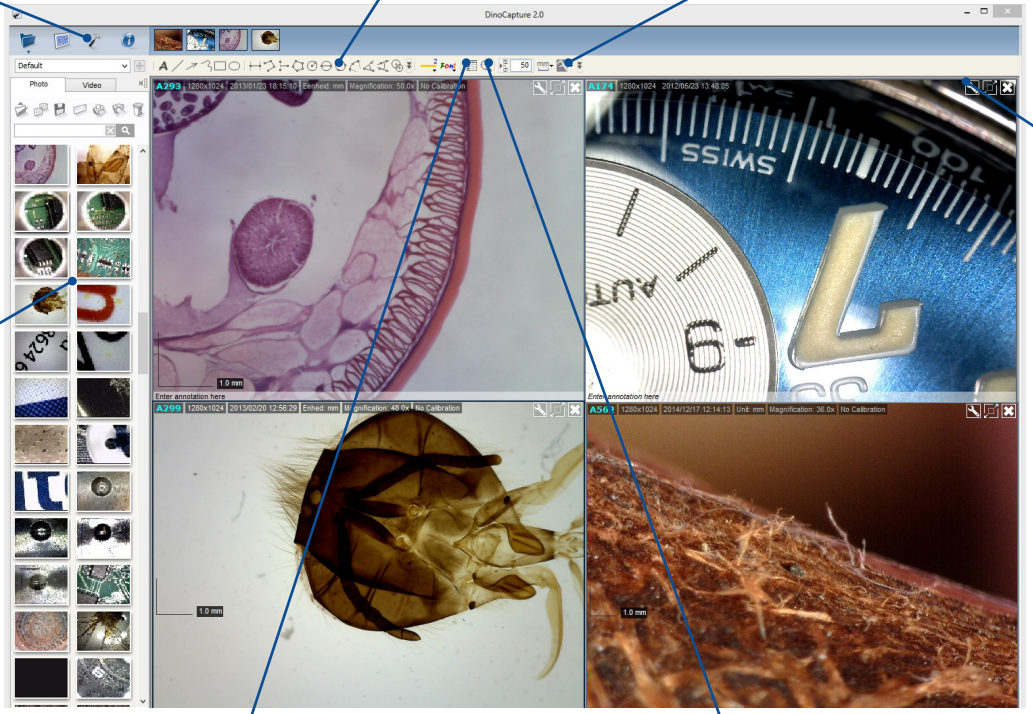
- Capturing photographs, videos or time-lapsed videos
- Saving pictures in several formats
- Advanced image processing
- Measurement options like: line, radius, circle, 3-point circle, angle, etc.
- Measurements on captured images or on live images
- Calibration
- E-mail integration
- Adding notes and markings on images
- Skype integration for real-time online sharing with suppliers, customers or colleagues
- Connect multiple Dino-Lite microscopes
- Controlling lighting options from the software
- IP functionality for remote viewing of microscopic images
- Barcode/QR code recognition functionality
- GPS integration

DinoCapture

DinoXcope

Dino-Lite develops free software

for Windows, macOS, iOS and Android devices.

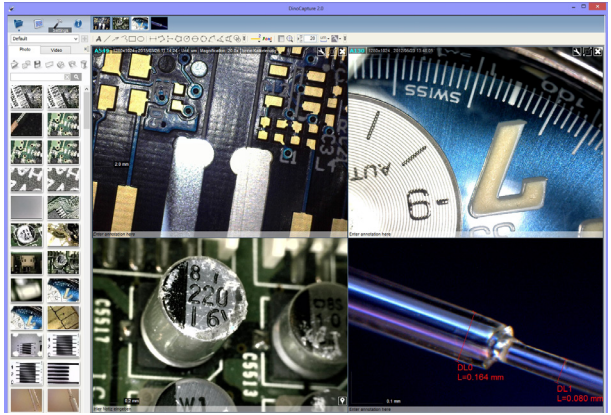


Dino-Lite DinoCapture software for Windows

A professional, reliable software environment is essential when working with computer equipment like a USB digital microscope. All Dino-Lite USB products are equipped with an in-house developed software suite. The DinoCapture software is continuously developed and free of charge for Dino-Lite users.

DinoCapture is a professional microscope imaging software that was made for users of all levels, including basic features from image viewing and capture, calibrated measurements, to advanced features such as geotags and edge detection.

** Some features are only available with compatible microscopes.*
The software is compatible with Windows 7, 8, 10, and 11.
Available as a free download at ***www.dino-lite.eu.***



DinoCapture software feature

- Display live view in normal-sized, large or full screen windows
- Capture photos, videos and organize files into folders
- Add searchable annotations to images for documenting and cataloging
- Control microscope LEDs, exposure, white balance, and color levels easily
- Create time-lapse video or image captures
- View monochrome and negative color output
- Create custom shortcut keys to improve workflow
- Export images in your choice of multiple file formats
- Provide access to remote colleagues with IP Dino
- Over 28 different selectable languages available
- Draw lines or text directly on images for simple labels or notes

Advanced feature

- Easily measure lines, circles, arcs, and angles with great accuracy
- Calibration measurements easily with the option to create multiple profiles
- Access scaling overlays of grids, concentric circles, cross-hairs and more
- Select between live view resolutions based on microscope model
- Simplify measurement with Automatic Magnification Reading (AMR)
- Create Extended Depth of Field or Extended Dynamic Range images
- Create custom overlays or transparencies for detailed comparisons
- Quickly measure objects with the Edge Detection feature
- Tag geographical location with support for GPS devices
- Automate barcode reading
- Area color average measurements

Dino-Lite DinoXcope software for macOS

A professional, reliable software environment is essential when working with screenprint-DinoXcope computer equipment, such as a USB microscope. All Dino-Lite USB products are equipped with an in-house developed software suite. The DinoXcope software is continuously updated, free of charge for Dino-Lite users, and includes an automatic update feature. DinoXcope is intuitive, user-friendly, and can be used with little to no training.

Dino-Lite USB microscope cameras come with DinoXcope, the easy-to-use software for Mac.

DinoXcope is designed for users of all levels, offering features such as image viewing and capture, as well as measurement with calibration.

** Some features are only available when used with compatible microscopes. The software is designed for computers running macOS. Download it for free at* ***www.dino-lite.eu.***

DinoXcope software feature

- Display live view in normal size, large or full screen windows
- Capture photos, videos and organize files into folders
- Imprint labels and comments onto the images
- Control microscope LEDs
- View in monochrome and negative color modes
- Export images as JPG or PNG

Advanced feature

- Measure lines, circles, arcs, and angles with high accuracy
- Enable a scalable grid overlay
- Access scaling overlays of grids, concentric circles, crosshairs and more
- Select from available live view resolutions based on your microscope model
- Create transparent overlays for detailed comparisons

Dino-Lite DinoConnect for Android and iOS

Stream to iOS, Android and PC with compatible Dino-Lite models:

- Stream using Dino-Lite WF-10 and WF-20 adapter(s)
- Connects directly to device using Wi-Fi signal *
- Broadcast to 10 devices simultaneously
- Long-range 802.11 b/g/n Wi-Fi signal
- Capture photos and video easily
- Draw, Type and Measure on images
- USB Charging

** Devices acts as Wi-Fi router, internet or mobile data connection not required to operate*

DinoConnect 1

Operating System

iOS 8.0 or later
Android 4.0 or later

Device
WF-20

DinoConnect 2

Requires Apple M1 / M2 processor

Operating System

iOS 12 or later
macOS 11 or Later

Device
WF-20

Download DinoConnect 2 app

Download DinoConnect 1 app

Operating system supported	iOS 8.0 or later Android 4.4 or later
Interface	WF-20's Wi-Fi signal
Support models	All AF models All WF models Dino-Lite Basic Dino-Lite Premier Dino-Eye Premier Dino-Lite Edge Dino-Eye Edge AM3111 (R10 or later) AM3111 (R4 or later) AM3113 (R4 or later) AD4013/4113 (R4 or later) AM4013/4113 (R4 or later) AD7013 (R4 or later) AM7013 (R4 or later) AM4115/4515/4815 AM7115/7515/7915 AM4025X AM7025X
Support resolution	Supported resolution varies by different models
Save formats	Image: JPEG (on iOS) / PNG (on Android) Video: MP4
MicroTouch	Yes

Dino-Lite DinoDirect for Android

Improve the mobility of your Dino-Lite microscope:

- Connect using Android USB charging port *
- Works anywhere without mobile signal or data
- Capture photos and video easily
- Draw, type and measure on images
- Control LEDs, camera settings and MicroTouch

** Requires Android device with USB OTG feature.*
Not compatible with all Android chipsets.

Android devices with Qualcomm chipsets have better compatibility.

** Notice DinoDirect has been discontinued from the Google Play Store. The app is still available on* ***www.dino-lite.eu***

Operating System Supported	Android 4.4 or later * Note: Android devices that carry Qualcomm chipset have better compatibility. Android devices require USB Host Mode to work with Dino-Lite and DinoDirect.
Interface	USB On-The-Go (USB OTG)
Support models	Dino-Lite Basic, Premier, and Edge series with USB interface Dino-Eye 4023, 7023 and Dino-Eye Edge series with USB interface
Not supported	The following models are not supported on Android OS9 and 10 Dino-Lite Premier AM3x11, AM3x13, AM/AD4x13, AM/AD7x13 series Dino-Eye AM4023, AM7023 series
Support resolution	Supported resolution varies by different models
Save formats	Image: PNG Video: MP4
MicroTouch	Yes

Dino-Lite Software Developement Kit (SDK)

Dino-Lite offers a Software Developement Kit (SDK) that allows companies to easily add control of Dino-Lite digital microscopes (excluding Dino-Lite basic models). The Dino-Lite SDK provides users the ability to seamlessly integrate Dino-Lite products with their own equipment and machinery, creating a unique combination of hardware and software.

The SDK includes C++, C#, and Visual Basic code, as well as OCX component files for custom applications, and is compatible with any Windows-compatible device. It offers developers complete control over the LED and MicroTouch features of the Dino-Lite. Additionally, it provides simple methods for extracting color, real-time binary imaging, image comparison, free image rotation, and many other features. The SDK comes with comprehensive documentation in PDF format, which can be found in the installation package.

The SDK is available free of charge for Dino-Lite partners and users looking to create value-added solutions. Usage requires a signed license agreement. Please fill out the form to request the license agreement. After we receive the signed license agreement from you, you will receive a link to download the SDK within 1 to 2 business days.

Customization or Features

Looking for a Dino-Lite Digital Microscope with Extra Customization or Features? Whether you need custom LED wavelengths, special adapters, or unique accessories, contact us with your ideas, and we'll work with you to find the perfect solution for your needs.
Dino-Lite products are increasingly used as part of larger systems, many customers and end users are building their own software or integrating the devices into third-party solutions.

To support these advanced requirements, Dino-Lite's EMEA distributor, IDCP, has established a dedicated software development company, IDCP Solutions. This company specializes in assisting customers whose needs go beyond the capabilities of the standard software or the development tools provided by Dino-Lite. This approach offers a deeper understanding of the device's functionalities and may involve additional hardware integration or advanced algorithms, giving you the highest level of customization and control over your software's features.

Also available: SDK DinoConnect for Android, SDK for LabVIEW.
Request the Software Developement Kit (SDK) at **www.dino-lite.eu**

Software Development Kit (SDK) for macOS

SDK	Dino-Lite SDK
Supported platform	macOS
Programming language	Objective C
IDE	Xcode 8.1
Compability	All Dino-Lite USB serie (except AM311x)
Latest version	V.2.0

Software Development Kit (SDK) for Windows OS

SDK	Dino-Lite SDK
Supported platform	Windows
Programming language	C++, C#, Pascal, VB, VB.net, VC
IDE	Delphi 6+, Labview, OCX Component, VS2003+, VS6
Compability	All Dino-Lite USB serie (except AM311x)
Latest version	-

Dino-Lite applications

Exploring the World with Dino-Lite Digital Microscopes

Versatile Applications for Every Field
Dino-Lite digital microscopes provide a range of functionalities suitable for various fields. Here's a look at some key applications:

Industrial & Electronics
Case studies and user stories by and for anyone working in the electronics industry for example, in quality control, failure analysis, BGA, PCB, or component inspection.

Forensics
Case studies and user stories by and for professionals in forensics, law enforcement, crime scene investigation, counterfeit detection, customs, border control, etc.

Art and Restoration
Case studies and user stories by and for art and paper restorers, conservators, antique collectors, museums, archaeologists, and others working with art, paintings, ancient relics, antiques, old coins, etc.

Natural Sciences
Case studies and user stories by and for professionals in Earth science, ecology, oceanography, geology, biology, zoology, or botany.

Life Sciences
Case studies and user stories by and for those working in laboratories or doing fieldwork in the fields of physical science, chemistry, life sciences, or human biology.

Medical
Case studies and user stories for medical professionals such as general practitioners, dermatologists, aesthetic doctors, audiologists, ENT specialists, rheumatologists, etc.

Printing
Case studies and user stories by and for professionals in the printing industry from design, prepress, printing, and post-production to cleaning of anilox rolls.

Beauty & Alternative Medicine
Case studies and user stories for skin specialists, hair and scalp specialists, naturopaths, and suppliers of cosmetic treatments for skin and hair.

Education
Case studies and user stories by and for educators in primary, secondary, and higher/university education.

Jewelry
Case studies and user stories for watch repair and manufacturing companies, diamond jewelers and traders, diamond cutters, jewelers, and gemstone collectors.

For more detailed information, visit **www.dino-lite.eu**

Feature and benefits

- Portability: compact and lightweight design, ideal for various settings.
- Ease of use: user-friendly interface suitable for both professionals and enthusiasts.
- Connectivity: ability to connect to computers for image capture and analysis.
- Versatility: a range of models to cater to different needs and applications.

Enhance your work with Dino-Lite

Dino-Lite digital microscopes offer a valuable tool for professionals, educators, and hobbyists, bringing the microscopic world into clear view. Explore the potential applications and features to see how Dino-Lite can support your work and interests.

For more detailed information, visit **www.dino-lite.eu**

Counterfeit detection

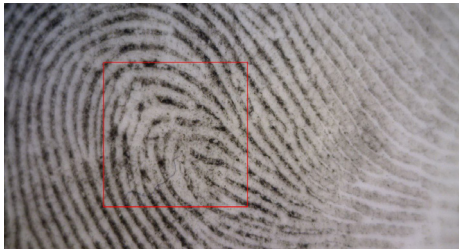
Counterfeit products are a global problem affecting industries from food and beverages to pharmaceuticals, cosmetics, and automotive parts. Its estimated that over 10% of all products are counterfeit, leading to global losses of €200–300 billion annually. While often associated with Asia, counterfeiting also occurs in Europe.

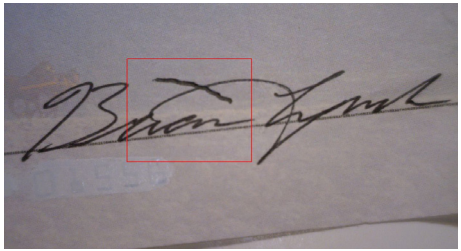
To fight this issue, a leading French security company partners with manufacturers using Dino-Lite digital microscopes and customized software developed with the Dino-Lite Software Development Kit (SDK). This technology enables manufacturers to add authentication features like dot matrix codes or engravings to their products. These identifiers reveal whether a product is genuine, counterfeit, or a gray-market item.

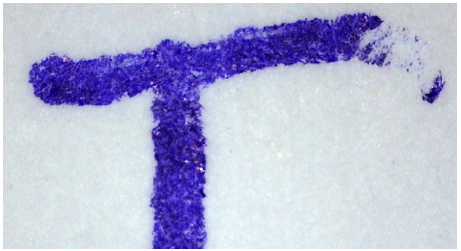
Counterfeit medicines are especially dangerous, sometimes even lethal, which is why initiatives like the anti-counterfeiting trade agreement (ACTA) were introduced.

The company's field teams conduct global authenticity checks, using Dino-Lite devices connected to laptops running their custom software. By scanning products, they can quickly verify their legitimacy and alert manufacturers to take appropriate action, as counterfeiting remains a criminal offense.

Currently, the company uses around 30 Dino-Lite devices, with that number expected to grow due to their portability and ease of use.







Ideal for restoration of ethnographic and art objects

Dino-Lite digital microscopes have proven to be valuable tools in the restoration of archaeological and art objects. Their portability, flexibility, and ability to reveal fine details make them ideal for delicate conservation work. Recently, restorers at the Tropenmuseum in Amsterdam used Dino-Lite microscopes during the restoration of ten Bisj poles towering ceremonial carvings created by the Asmat people of Papua.

Thanks to the microscope, museum visitors could observe the meticulous restoration work down to the wood fiber level. The device also allowed restorers to work with incredible precision, distinguishing between dirt, overpainting, and original paint layers something the human eye alone couldn't do reliably. The time-lapse feature further helped document the restoration process, capturing changes as layers were cleaned or reapplied.

The restoration took place in the museum's central hall, allowing the public to witness the process live on screen, adding an educational and immersive dimension to the experience.

This was the Tropenmuseum's first time using Dino-Lite microscopes, and the results impressed the restoration team.

Their success led the museum to adopt Dino-Lite for future projects, recognizing it as an essential tool in art and artifact conservation.

Industrial quality control

Dino-Lite for Industrial Quality Control

With increasing demands from miniaturization and mass customization, quality control is more important than ever. Thousands of companies use Dino-Lite digital microscopes daily to inspect milling, painting, assembly, and tooling processes.

Dino-Lite is user-friendly and affordable, offering digital image and video storage with features like measurement, annotation, and image comparison.

For Innovative and Traditional Industries

Industries such as automotive, aerospace, electronics, and medical devices benefit from Dino-Lite's speed and portability whether using USB models, high-speed versions, or mobile units with a 5-inch screen. Traditional sectors like printing, metal, plastics, textiles, food, and packaging also apply Dino-Lite throughout their production chains.

Enhanced Communication and Integration

Dino-Lite makes it easy to share quality data across the supply chain and improve product support. It integrates into larger systems via its SDK or can digitize existing microscopes using Dino-Eye eyepiece cameras.

Michelin to improve quality control with a microscopic view

Michelin's customer service team conducts inspections at tire production sites to provide internal feedback and guide subcontractors in technical decisions. For these tasks, they need microscopes that are:

- Robust, compact, and long-lasting
- Capable of highlighting defects, ideally with polarization to reduce glare
- High-quality imaging with wide magnification for accurate analysis

Easy to use and smartphone-connected for real-time collaboration
Use Case 1: Cleaning Tool Quality Control
Dino-Lite helps inspect cleaning tools by revealing residue invisible to the naked eye. Connected to a smartphone, the images can be shared instantly for remote assessment.

Use Case 2: Laser Marking Inspection
Laser engravings on molds appear black to the eye, but Dino-Lite reveals texture details and contamination that can affect mold quality. These precise inspections are quick and easy to perform.

Use Case 3: Tire Envelope Inspection
Dino-Lite provides detailed images of tire defects like wire rope breakage thanks to its polarization capabilities, which eliminate glare on shiny metal surfaces. This level of detail surpasses what a regular smartphone camera can show.

Key Benefits:

- Faster decision-making and reduced inspection time
- Improved feedback to tire developers
- Less need for customer site visits

Dino-Lite enhances accuracy, efficiency, and communication in Michelin's quality control processes.

Researching graphical quality at the Print Technology

The Print Technology Division at Warsaw University of Technology in Poland uses four types of Dino-Lite digital microscopes to analyze printed images and photographs. Their research focuses on microscopic changes in paper and cardstock during printing, as well as monitoring bookbinding stages like cutting, folding, and testing durability.

Dr. Georgij Petriaszwili, professor at the division, says, "Dino-Lite offers excellent image quality at a fair price. We previously used more expensive microscopes that didn't always meet our needs. I discovered Dino-Lite during a visit to Artevelde University College in Ghent. Back in Poland, I explored its features and was impressed. Despite the range of models, performance and software are well integrated. We're also looking forward to using WiFi capabilities to process more images online."

The division, which collaborates with printers and graphics companies across Poland, has trained over 2,000 graphic arts professionals since its founding in 1968. As it approaches its 50th anniversary, new generations of researchers continue to rely on Dino-Lite microscopes.

Dino-Lite model overview

Each model is equipped with high-resolution imaging, portability, and intuitive software features. These tools facilitate precise measurements, annotations, and image comparisons, supporting detailed inspections and quality control. Explore our range to find the model that best fits your specific needs.

Product	Resolution	Magnification	Interface	Measurement & Calibration	LED Color / λpeak	FLC	Polarizer	LWD	AMR	EDR/EDOF	AXI	Detachable Front Cap	Metallic Housing
Handheld Digital Microscope (USB)													
8 MP (Dino-Lite Edge^{PLUS})													
AM8117MZT	8MP	10x~220x	USB 2.0	✔	White	✔	✔					✔	✔
AM8117MZTL	8MP	10x~140x	USB 2.0	✔	White	✔	✔	✔				✔	✔
AM8517MZT	8MP	10x~220x	USB 2.0	✔	White	✔	✔		✔			✔	✔
AM8517MZTL	8MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔			✔	✔
AM8917MZT	8MP	10x~220x	USB 2.0	✔	White	✔	✔		✔	✔		✔	✔
AM8917MZTL	8MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔	✔		✔	✔
AM8917MZT4	8MP	400x~470x	USB 2.0	✔	White	✔	✔		✔	✔		✔	✔
AM8917MT4A	8MP	415x~460x	USB 2.0	✔	White	✔			✔	✔	✔	✔	✔
AM8917MT8	8MP	700x~900x	USB 2.0	✔	White	✔			✔	✔		✔	✔
AM8917MT8A	8MP	700x~900x	USB 2.0	✔	White	✔			✔	✔	✔	✔	✔
AM8517MT-FUW	8MP	20x~220x	USB 2.0	✔	White | 375nm				✔			✔	✔
5 MP (Dino-Lite Edge 3.0)													
AM73115MZTL	5MP	10x~140x	USB 3.0	✔	White	✔	✔	✔				✔	✔
AM73515MZT	5MP	10x~220x	USB 3.0	✔	White	✔	✔		✔			✔	✔
AM73515MZTL	5MP	10x~140x	USB 3.0	✔	White	✔	✔	✔	✔			✔	✔
AM73515MT4A	5MP	420x~470x	USB 2.0	✔	White	✔			✔		✔	✔	✔
AM73515MT8A	5MP	700x~900x	USB 3.0	✔	White	✔			✔		✔	✔	✔
AM73915MZT	5MP	10x~220x	USB 3.0	✔	White	✔	✔		✔	✔		✔	✔
AM73915MZTL	5MP	10x~140x	USB 3.0	✔	White	✔	✔	✔	✔	✔		✔	✔
AM73915MZT4	5MP	400x~470x	USB 3.0	✔	White	✔	✔		✔	✔		✔	✔

Product	Resolution	Magnification	Interface	Measurement & Calibration	LED Color / λpeak	FLC	Polarizer	LWD	AMR	EDR/EDOF	AXI	Detachable Front Cap	Metallic Housing
5 MP (Dino-Lite Edge)													
AF7115MZT	5MP	10x~220x	USB 2.0	✔	White	✔	✔					✔	✔
AF7115MZTL	5MP	10x~140x	USB 2.0	✔	White	✔	✔	✔				✔	✔
AF7115MZTW	5MP	10x~50x	USB 2.0	✔	White	✔	✔	✔				✔	✔
AF7515MZT	5MP	10x~220x	USB 2.0	✔	White	✔	✔		✔			✔	✔
AF7515MZTL	5MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔			✔	✔
AF7515MZT4	5MP	400x~470x	USB 2.0	✔	White	✔	✔		✔			✔	✔
AF7515MT4A	5MP	420x~470x	USB 2.0	✔	White	✔			✔		✔	✔	✔
AF7915MZT	5MP	10x~220x	USB 2.0	✔	White	✔	✔		✔	✔		✔	✔
AF7915MZTL	5MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔	✔		✔	✔
AM7115MTF	5MP	10x~70x	USB 2.0	✔	White	✔		✔				✔	✔
AM7115MZT	5MP	10x~220x	USB 2.0	✔	White	✔	✔					✔	✔
AM7115MZTL	5MP	10x~140x	USB 2.0	✔	White	✔	✔	✔				✔	✔
AM7115MZTW	5MP	10x~50x	USB 2.0	✔	White	✔	✔	✔				✔	✔
AM7515MTFP	5MP	45x~70x	USB 2.0	✔	White	✔		✔	✔			✔	✔
AM7515MZT	5MP	10x~220x	USB 2.0	✔	White	✔	✔		✔			✔	✔
AM7515MZTL	5MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔			✔	✔
AM7515MZT1P	5MP	70x~140x	USB 2.0	✔	White	✔	✔		✔			✔	✔
AM7515MZT2P	5MP	130x~220x	USB 2.0	✔	White	✔	✔		✔			✔	✔
AM7515MT1A	5MP	70x~140x	USB 2.0	✔	White	✔			✔		✔	✔	✔
AM7515MT2A	5MP	130x~220x	USB 2.0	✔	White	✔			✔		✔	✔	✔
AM7515MT4A	5MP	415x~470x	USB 2.0	✔	White	✔			✔		✔	✔	✔
AM7515MT8A	5MP	700x~900x	USB 2.0	✔	White	✔			✔		✔	✔	✔
AM7915MZT	5MP	10x~220x	USB 2.0	✔	White	✔	✔		✔	✔		✔	✔
AM7915MZTL	5MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔	✔		✔	✔
1.3 MP (Dino-Lite Edge^{PLUS})													
AM4117MZT	1.3MP	10x~220x	USB 2.0	✔	White	✔	✔					✔	✔
AM4117MZTL	1.3MP	10x~140x	USB 2.0	✔	White	✔	✔	✔				✔	✔
AM4117MZTW	1.3MP	10x~50x	USB 2.0	✔	White	✔	✔	✔				✔	✔
AM4517MTFP	1.3MP	45x~70x	USB 2.0	✔	White	✔		✔	✔			✔	✔

Product	Resolution	Magnification	Interface	Measurement & Calibration	LED Color / λpeak	FLC	Polarizer	LWD	AMR	EDR/EDOF	AXI	Detachable Front Cap	Metallic Housing
AM4517MZTL	1.3MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔			✔	✔
AM4517MT8A	1.3MP	700x~900x	USB 2.0	✔	White	✔			✔		✔	✔	✔
AM4917MZT	1.3MP	10x~220x	USB 2.0	✔	White	✔	✔		✔	✔		✔	✔
AM4917MZTL	1.3MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔	✔		✔	✔
AM4917MZT4	1.3MP	400x~470x	USB 2.0	✔	White	✔	✔		✔	✔		✔	✔
AM4917MT8	1.3MP	700x~900x	USB 2.0	✔	White	✔			✔	✔		✔	✔
AM4917MT-BFCW	1.3MP	20x~220x	USB 2.0	✔	White | 435nm (Ex.)				✔	✔		✔	✔
AM4917MT-G2FBW	1.3MP	20x~220x	USB 2.0	✔	White | 465nm (Ex.)				✔	✔		✔	✔
AM4517MT-FUW	1.3MP	10x~220x	USB 2.0	✔	White | 375nm				✔			✔	✔
AM4517MT-CFVW	1.3MP	20x~220x	USB 2.0	✔	White | 400nm (Ex.)				✔			✔	✔
AM4517MT-BFCW	1.3MP	20x~220x	USB 2.0	✔	White | 435nm (Ex.)				✔			✔	✔
AM4517MT-RFCW	1.3MP	20x~220x	USB 2.0	✔	White | 435nm (Ex.)				✔			✔	✔
AM4517MT-G2FBW	1.3MP	20x~220x	USB 2.0	✔	White | 465nm (Ex.)				✔			✔	✔
AM4517MT-GRFBY	1.3MP	20x~220x	USB 2.0	✔	465nm (Ex.) | 580nm (Ex.)				✔			✔	✔
AM4517MT-YFGW	1.3MP	20x~220x	USB 2.0	✔	White | 520nm (Ex.)				✔			✔	✔
AM4517MT-RFYW	1.3MP	20x~220x	USB 2.0	✔	White | 575nm (Ex.)				✔			✔	✔
AM4517MT-DFRW	1.3MP	20x~220x	USB 2.0	✔	White | 620nm (Ex.)				✔			✔	✔
AM4117MTW-FJ	1.3MP	10x~50x	USB 2.0	✔	940nm			✔				✔	✔
1.3 MP (Dino-Lite Edge)													
AF4135ZTE	1.3MP	10x~330x	USB 2.0	✔	White	✔	✔					✔	
AF4135ZTLE	1.3MP	10x~200x	USB 2.0	✔	White	✔	✔	✔				✔	
AF4535ZTE	1.3MP	10x~330x	USB 2.0	✔	White	✔	✔		✔			✔	
AF4535ZTLE	1.3MP	10x~200x	USB 2.0	✔	White	✔	✔	✔	✔			✔	
AF4935ZTE	1.3MP	10x~330x	USB 2.0	✔	White	✔	✔		✔	✔		✔	
AF4935ZTLE	1.3MP	10x~200x	USB 2.0	✔	White	✔	✔	✔	✔	✔		✔	
AF4535ZTE-N3U	1.3MP	10x~330x	USB 2.0	✔	White	✔	✔		✔				
AF4535TE-FUW	1.3MP	10x~330x	USB 2.0	✔	White | 375nm				✔			✔	
AF4115TF	1.3MP	10x~70x	USB 2.0	✔	White	✔		✔				✔	
AF4115ZTF	1.3MP	10x~70x	USB 2.0	✔	White	✔	✔	✔				✔	
AF4115ZT	1.3MP	20x~220x	USB 2.0	✔	White	✔	✔					✔	

Product	Resolution	Magnification	Interface	Measurement & Calibration	LED Color / λpeak	FLC	Polarizer	LWD	AMR	EDR/EDOF	AXI	Detachable Front Cap	Metallic Housing
AF4115ZTW	1.3MP	10x~50x	USB 2.0	✔	White	✔	✔	✔				✔	
AF4515ZT	1.3MP	20x~220x	USB 2.0	✔	White	✔	✔		✔			✔	
AF4515ZTL	1.3MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔			✔	
AF4515ZT4	1.3MP	400x~470x	USB 2.0	✔	White	✔	✔		✔			✔	
AF4915ZT	1.3MP	20x~220x	USB 2.0	✔	White	✔	✔		✔	✔		✔	
AF4915ZTL	1.3MP	10x~140x	USB 2.0	✔	White	✔	✔	✔	✔	✔		✔	
AF4915-FJT	1.3MP	20x~220x	USB 2.0	✔	940nm	✔			✔	✔		✔	
AF4515-FIT	1.3MP	20x~220x	USB 2.0	✔	850nm				✔			✔	
AF4515-FJT	1.3MP	20x~220x	USB 2.0	✔	940nm				✔			✔	
AF4515-FKT	1.3MP	20x~220x	USB 2.0	✔	780nm				✔			✔	
AF4515-FVT	1.3MP	20x~220x	USB 2.0	✔	395nm				✔			✔	
AF4515T-FUW	1.3MP	20x~220x	USB 2.0	✔	White | 375nm				✔			✔	
AF4515T-FVW	1.3MP	20x~220x	USB 2.0	✔	White | 395nm				✔			✔	
AF4515TL-FVW	1.3MP	10x~140x	USB 2.0	✔	White | 395nm			✔	✔			✔	
AF4115T-GRFBY	1.3MP	20x~220x	USB 2.0	✔	465nm (Ex.) | 580nm (Ex.)							✔	
AF4115-RUT	1.3MP	20x	USB 2.0	✔	White | Yellow							✔	
AM4115TF	1.3MP	10x~70x	USB 2.0	✔	White			✔				✔	
AM4115TW	1.3MP	10x~50x	USB 2.0	✔	White			✔				✔	
AM4115ZTF	1.3MP	10x~70x	USB 2.0	✔	White			✔				✔	
AM4115ZTW	1.3MP	10x~50x	USB 2.0	✔	White		✔	✔				✔	
AM4515ZT4	1.3MP	400x~470x	USB 2.0	✔	White		✔		✔			✔	
AM4515T5	1.3MP	500x~550x	USB 2.0	✔	White				✔			✔	
AM4515T8	1.3MP	700x~900x	USB 2.0	✔	White				✔			✔	
AM4115-FIT	1.3MP	20x~220x	USB 2.0	✔	850nm							✔	
AM4115-FJT	1.3MP	20x~220x	USB 2.0	✔	940nm							✔	
AM4115-FKT	1.3MP	20x~220x	USB 2.0	✔	780nm							✔	
AM4115-FVT	1.3MP	20x~220x	USB 2.0	✔	395nm							✔	
AM4115-FUT	1.3MP	20x~220x	USB 2.0	✔	375nm							✔	
AM4115T-FUW	1.3MP	20x~220x	USB 2.0	✔	White | 375nm							✔	
AM4115T-FVW	1.3MP	20x~220x	USB 2.0	✔	White | 395nm							✔	

Product	Resolution	Magnification	Interface	Measurement & Calibration	LED Color / λpeak	FLC	Polarizer	LWD	AMR	EDR/EDOF	AXI	Detachable Front Cap	Metallic Housing
AM4115T-JV	1.3MP	20x~220x	USB 2.0	✔	395nm | 940nm							✔	
AM4115T-JU	1.3MP	20x~220x	USB 2.0	✔	375nm | 940nm							✔	
AM4515-FIT	1.3MP	20x~220x	USB 2.0	✔	850nm				✔			✔	
AM4815-FJT	1.3MP	20x~220x	USB 2.0	✔	940nm					✔		✔	
AM4115T-CFVW	1.3MP	20x~220x	USB 2.0	✔	White | 400nm (Ex.)							✔	
AM4115T-GRFBY	1.3MP	20x~220x	USB 2.0	✔	465nm (Ex.) | 580nm (Ex.)							✔	
AM4115T-GFBW	1.3MP	20x~220x	USB 2.0	✔	White | 465nm (Ex.)							✔	
AM4115TW-GFBW	1.3MP	10x~50x	USB 2.0		White | 465nm (Ex.)			✔				✔	
AM4115T-YFGW	1.3MP	20x~220x	USB 2.0	✔	White | 520nm (Ex.)							✔	
AM4115T-RFYW	1.3MP	20x~220x	USB 2.0	✔	White | 575nm (Ex.)							✔	
AM4115T-DFRW	1.3MP	20x~220x	USB 2.0	✔	White | 620nm (Ex.)							✔	
1.3 MP (Dino-Lite Premier)													
AM4013MT	1.3MP	20x~50x, 200x	USB 2.0	✔	White								✔
AM4013MTL	1.3MP	20x~90x	USB 2.0	✔	White			✔					✔
AM4013MZT	1.3MP	20x~50x, 200x	USB 2.0	✔	White		✔						✔
AM4013MZTL	1.3MP	20x~90x	USB 2.0	✔	White		✔	✔					✔
AM4013MZT4	1.3MP	430x~470x	USB 2.0	✔	White		✔						✔
AM4113T	1.3MP	20x~50x, 200x	USB 2.0	✔	White								
AM4113TL	1.3MP	20x~90x	USB 2.0	✔	White			✔					
AM4113TL-M40	1.3MP	10x~40x	USB 2.0	✔	White			✔					
AM4113T5	1.3MP	500x	USB 2.0	✔	White								
AM4113ZT	1.3MP	20x~50x, 200x	USB 2.0	✔	White		✔						
AM4113ZTL	1.3MP	20x~90x	USB 2.0	✔	White		✔	✔					
AM4113T-FVW	1.3MP	20x~50x, 200x	USB 2.0	✔	White | 395nm								
AM4113T-FV2W	1.3MP	20x~50x, 200x	USB 2.0	✔	White | 375nm								
AM4113TL-FVW	1.3MP	20x~90x	USB 2.0	✔	White | 395nm			✔					
VGA													
AF3113T	640*480	20x~50x, 200x	USB 2.0	✔	White								
AM3111	640*480	20x~50x, 200x	USB 2.0		White								

Product	Resolution	Magnification	Interface	Measurement & Calibration	LED Color / λpeak	FLC	Polarizer	LWD	AMR	EDR/EDOF	AXI	Detachable Front Cap	Metallic Housing
D-Sub (Dino-Lite Edge)													
AM5216TF	720p	10x~70x	VGA (D-Sub)		White			✔				✔	
AM5216ZT	720p	20x~220x	VGA (D-Sub)		White		✔					✔	
AM5216ZTL	720p	10x~140x	VGA (D-Sub)		White		✔	✔				✔	
HDMI (Dino-Lite Edge)													
AM5218MZT	HD 720p	20x~220x	HDMI		White		✔					✔	✔
AM5218MZTF	HD 720p	10x~70x	HDMI		White		✔	✔				✔	✔
AM5218MZTL	HD 720p	10x~140x	HDMI		White		✔	✔				✔	✔
AM5218MZTW	HD 720p	10x~50x	HDMI		White		✔	✔				✔	✔
AM5218M-FVT	HD 720p	20x~220x	HDMI		395nm							✔	✔

Dino-Lite
Digital Microscope
The Industry Standard

Dino-Lite
Digital Microscope Medical

For all Dino-Lite medical devices
visit **www.dino-lite.eu/medical**

IDCP
SOLUTIONS

For all software development solutions

2-year Warranty

2

Free SDK available

SDK

REGULATORY APPROVAL CE / FCC / ROHS

IDCP

Dino-Lite
Digital Microscope
The Industry Standard

Version 2025/Q2

For more info about IDCP visit:
www.idcp.eu

Dino-Lite Europe is the importer and master distributor for the Dino-Lite products for Europe, Africa and the Middle- East.
Dino-Lite products are sold by hundreds of local partners.

For the best reseller in your region visit:
www.dino-lite.eu/wheretobuy