

# Dino-Lite

Digital Microscope  
The Industry Standard



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Dino-Lite product range for:  
Students and teachers  
in primary and secondary  
education

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*Redefine the microscope*

### Microscopes in education

Most children in primary and secondary education are not familiar with microscopes. Many primary and secondary schools shy away from the use of microscopes in practical activities. The classical microscope is seen as a complex and technical piece of equipment mainly for use in universities or science labs, and therefore microscopes are hardly ever used inside the classroom. Wouldn't it be great if young students get insight into the new and fantastic microworld using a piece of equipment that is very approachable, easy to use and affordable. Students will be motivated to use their imagination and will get a better understanding about nature, science and biology.



## Dino-Lite opens up new and fantastic microworld

### Applications

The Dino-Lite USB microscope gives students instant access to a fantastic microworld. With its magnification of up to 200 times the Dino-Lite microscope shows up details that normally stay hidden. Dino-Lite microscopes can be used to support science or biology lessons for viewing and exploring:

- > Small insects
- > Plant parts
- > Minerals
- > Gemstones
- > Fossils
- > Small mechanical or electronic components
- > Commodities and soil
- > Foodstuffs

### A powerful tool

Dino-Lite has developed a broad range of microscopes and accessories, tailored for many applications. The Dino-Lite products are available for teacher as well as for students. Specially designed models in different price ranges make it an ideal solution for teachers and students for all types of education. Bundled with the DinoCapture software for Windows or DinoXcope software for Apple Macintosh, the Dino-Lite is a very powerful and easy to use tool.



### Digital whiteboard

Showing highly magnified pictures of insect or plants or even showing moving pictures of live insects on the digital whiteboard will certainly catch the attention of the young students. The Dino-Lite digital microscope can be easily connected to a digital whiteboard, using a USB, TV or VGA connection (in most cases you have all of these). When using the TV connection you don't even have to install software and it is just a matter of connecting the microscope. When using the USB version you also have access to the advanced software options of the included DinoCapture software.



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The included  
advanced  
software offers  
several enhanced  
features

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### Advanced software included

Included with each Dino-Lite digital microscope is a copy of the DinoCapture software for Windows and DinoXcope for Macintosh. The software enables you to capture either a photograph, video or time lapsed video with a simple click! The software offers enhanced features like measurement or calibration.

### Product range

The Dino-Lite product range comprises more than 70 models; typically in a classroom environment just a few of these models are being used. We distinguish the more basic models for student usage and the more sophisticated models being used by teachers.



## AM2111



ADJUSTABLE  
~10-70x & 200x



VGA RESOLUTION  
640 x 480

4 built-in LEDs  
(non switchable)

Affordable solution



The Dino-Lite AM2111 is the basic model USB microscope with two ranges of magnification, 10~70x and up to 200x magnification. The AM2111 features improved real color rendering. The AM2111 is an affordable and easy to use solution for in-class student use.

Application: mainly used by students connecting the microscope to a PC or laptop. Not really suitable for use on a digital whiteboard.

## AM4113T



ADJUSTABLE  
~10-70x & 200x



1.3 MEGAPIXEL  
1280 x 1024

Most popular model for  
professional applications



The AM4113T is one of the best selling models in the Dino-Lite range. It is an ideal solution for inspection and taking highly magnified pictures of almost anything. It features a magnification of 10-70x and 200x and has a resolution of 1.3 megapixel.

Application: general usage, with standard LED lighting options, enhanced software features like measuring and calibration. Mainly used by teachers. Suitable for use on a digital whiteboard. Also available: AM4013MT, same specifications as the AM4113T, but with durable aluminum alloy housing.

## AM4113ZT



ADJUSTABLE  
~10-70x & 200x



1.3 MEGAPIXEL  
1280 x 1024



POLARIZER  
ANTI-REFLECTION

Great solution when  
working with reflective  
objects



The AM4113ZT offers the same features as the AM4113T, but additionally offers a built-in polarizer that reduces the glare on shiny objects, resulting in crystal clear pictures. The polarizer can be switched on or off.

Application: viewing and exploring shiny objects or glaring surfaces, high magnification (up to 200 times). Suitable for use on a digital whiteboard. Also available: AM4013MZT, same specifications as the AM4113ZT, but with aluminum alloy housing for enhanced protection and durability and the best look and feel.



## AM4113ZT4

 ADJUSTABLE  
~400x-470x

 1.3 MEGAPIXEL  
1280 x 1024

 POLARIZER  
ANTI-REFLECTION

Best choice when  
a high magnification  
is required



AM4113ZT4 combines a very clear picture quality with a high magnification of 400 - 470 times. To limit glare onto the object, the AM4113ZT4 has an adjustable built-in polarization filter which fully or partially removes the reflection on glaring or (semi)transparent materials.

Applications: viewing and exploring very small objects or when a high magnification is required. Suitable for use on a digital whiteboard.

Also available: AM4013MZT4 – same features as the AM4113ZT4, but with durable aluminum alloy housing.

## AM7013MT

 ADJUSTABLE  
~10-70x & 200x

 5 MEGAPIXEL  
2592 x 1944

Durable aluminum  
alloy housing



The AM7013MT series are a state-of-the-art new range of high-resolution 5 Megapixel digital microscopes, providing crystal clear images, even at higher magnifications. The image can be used on large screens, like smart boards and larger computer monitors or it can be used for printing in large format. It is also possible to perform a digital zoom with high quality screen images. The improved color sensor provides very natural colors, even in low light environments. The AM7013MT has a durable aluminum alloy housing.

Applications: for general usage, when high resolution images or videos are needed. The best suited model for usage on a digital whiteboard.

## AM4116T

 DIRECT VGA  
CONNECTION

 ADJUSTABLE  
~10-70x & 200x

Affordable solution for  
great real time images

For generic applications



The AM4116T is a specialized Dino-Lite model with a VGA connection allowing you to connect the microscope directly to your computer monitor or digital whiteboard. No software is required to operate the AM4116T, just connect it to your VGA connection and you are instantly able to operate the Dino-Lite. The high frame rate (60fps) offers almost real-time images or videos.

Applications: when a direct connection to a computer monitor or a digital whiteboard is required. No need of software installation.

Also available with exchangeable caps (AD4116T).

**MS23B**



The MS23B Desktop clamp allows the user to clamp the stand onto a tabletop. The flexible arm has a reach of 35 cm allowing the user to move the Dino-Lite into several directions.

**MS35B**



MS35B is a square metal base with column and support providing several adaptable heights. The MS35B is a stable vertical desktop stand. It provides 360 degrees of horizontal axis rotational perspective and as much as 20 cm of vertical working distance from the object.

**MS36B**



The MS36B is a square metal base with column and support providing several adaptable heights. The MS36B has a horizontal beam to enable additional flexibility in the horizontal plane.

**MS33W**



The MS33W is a basic metal base, it is sturdy and has a flexible arm. The turning knob in the base is meant for precise adjustment.

**SW-F1**



The SW-F1 is a foot pedal which allows you to take a picture with a simple step from your foot. Simply plug in the device into your USB port and it is ready to use.



## Eyepiece Cameras

With the Dino-Lite eyepiece cameras you can turn your conventional microscope into a digital microscope. You can easily replace the ocular (eyepiece) of your non-digital microscope with the DinoEye eyepiece and connect it via USB to your computer.

Applications: Can be used to digitize virtually any of your current optical devices, like conventional microscopes or endoscopes. Devices should have a c-mount connector or an ocular.

### AM4023X



The AM4023X has different adapters to fit microscopes with 23, 30 or 30,5 mm eyepieces. This eyepiece camera has a 1,3 megapixel sensor. The DinoCapture software is bundled with the product. Very flexible model to be used on oculars of different sizes.

### AM7023



The DinoEye AM7023 is equipped with a 5 megapixel sensor for crystal clear images. The AM7023 is the ideal solution for displaying microscopic images on large screens. The DinoCapture software is bundled with the product. It fits into 23 mm microscope oculars. Also available to fit a 30 mm or 30,5 mm microscope ocular (Dino-Lite AM7023B).



| Model     | Resolution   | Magnification | Interface | Long working distance | Measurement | Calibration | LED | LED on/off | Polarizer | Metal housing | Diffuse lighting |
|-----------|--|---------------|-----------|-----------------------|-------------|-------------|-----|------------|-----------|---------------|------------------|
| AM2111    | VGA, 640x480   | 10-70x, 200x  | USB       | -                     | -           | -           | 8   | -          | -         | -             | -                |
| AM4116T   | 800x600  | 10-70x, 200x  | VGA D-sub | -                     | -           | -           | 8   | ✓          | -         | -             | -                |
| AM4113T   | 1,3 Megapixel  | 10-70x, 200x  | USB       | -                     | ✓           | ✓           | 8   | ✓          | -         | -             | -                |
| AM4113ZT  | 1,3 Megapixel  | 10-70x, 200x  | USB       | -                     | ✓           | ✓           | 8   | ✓          | ✓         | -             | -                |
| AM4113ZT4 | 1,3 Megapixel  | 400-470x      | USB       | -                     | ✓           | ✓           | 8   | ✓          | ✓         | -             | -                |
| AM7013MT  | 5 Megapixel  | 10-70x, 200x  | USB       | -                     | ✓           | ✓           | 8   | ✓          | -         | ✓             | ✓                |
| BL-ZW1    | External back-light with rotatable polarizer   |               |           |                       |             |             |     |            |           |               |                  |
| MS33W     | Round metal base with flexible arm and precision wheel                                 |               |           |                       |             |             |     |            |           |               |                  |
| MS23B     | Flexible tabletop clamp stand  |               |           |                       |             |             |     |            |           |               |                  |
| MS35B     | Metal vertical desktop stand   |               |           |                       |             |             |     |            |           |               |                  |
| MS36B     | Metal vertical desktop stand with horizontal beam                                      |               |           |                       |             |             |     |            |           |               |                  |
| AM4023X   | Eyepiece Camera - 1,3 megapixel sensor - fit into 23, 30 or 30,5 mm microscope oculars |               |           |                       |             |             |     |            |           |               |                  |
| AM7023    | Eyepiece Camera - 5 megapixel sensor - fit into 23mm microscope oculars                |               |           |                       |             |             |     |            |           |               |                  |
| AM7023B   | Eyepiece Camera - 5 megapixel sensor - fit into 30 or 30,5 mm microscope oculars       |               |           |                       |             |             |     |            |           |               |                  |



The Dino-Lite product range comprises more than 100 models. For information on other models please check [www.dino-lite.eu](http://www.dino-lite.eu) or contact your local reseller.