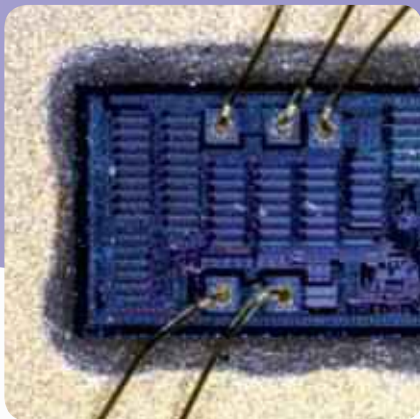


# Dino-Lite

Digital Microscope

The Industry Standard



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Electrostatic Discharge (ESD) safe  
Dino-Lite digital microscopes  
for the electronics industry

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*Redefine the microscope*

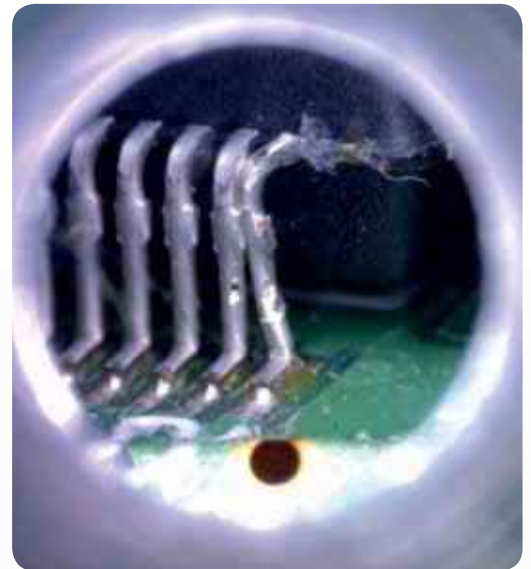
### A full range of ESD safe digital microscopes

Dino-Lite offers a full range of Electrostatic Discharge (ESD) safe digital microscopes and accessories, specifically designed with the needs of the electronics industry in mind.

The robust aluminum housing of the ESD-safe microscope models generates no significant static. The special ESD-safe stands are finished with a specially formulated, ESD-safe coating, developed for environments involving sensitive electronic circuits. This makes the Dino-Lite a safe and essential tool for anyone in the electronics industry, for inspection, quality control, rework/repair or precision assembly tasks.

#### Applications

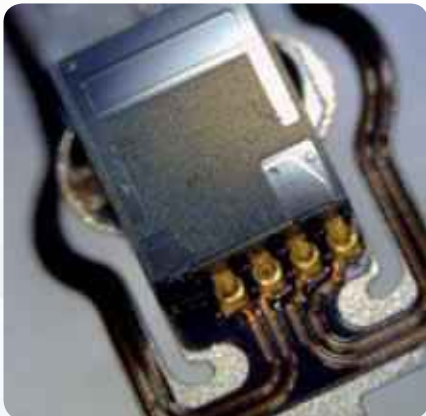
- > **Solder Inspection**
- > **Component Inspection**
- > **Failure Analysis**
- > **Quality Control**
- > **Counterfeit Component Detection**
- > **BGA Inspection Assembly**



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Dino-Lite offers a full range of ESD-safe digital microscopes and accessories, specifically designed with the needs of the electronics industry in mind

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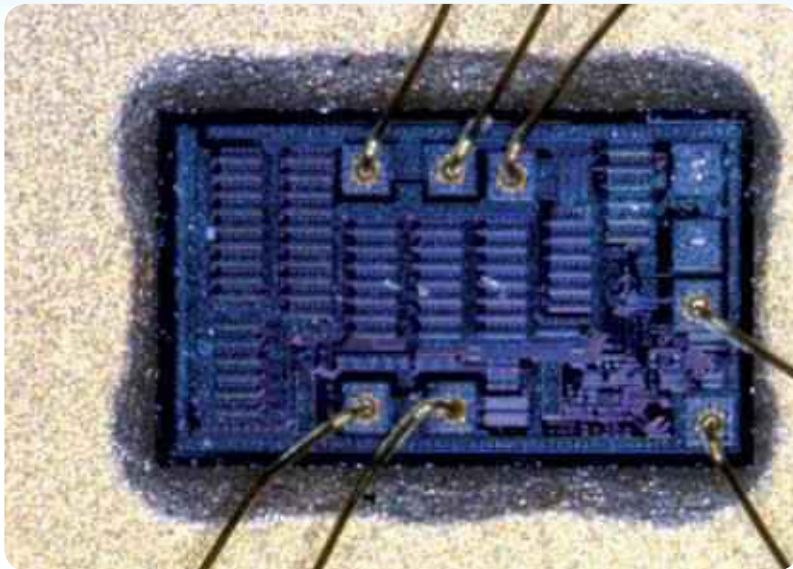
## Features

All USB Dino-Lite models come with a professional, multilingual software suite, both for Windows and MacOS. With the software, images and videos can be captured, or shared live over the internet, which makes it very simple to cooperate with colleagues, customers or suppliers all over the world. The integrated measurement functionality with calibration option allows for accurate measurements of all sorts (line, circle, angles, polygons, etc.).

The integrated, fully adjustable polarizer reduces the reflections of the LEDs that could occur, resulting in crystal clear high quality images.

Several models offer a long working distance which makes working under the microscope possible. The Micro-Touch snapshot function allows for easy taking of pictures, simply by touching the sensor on the microscope.

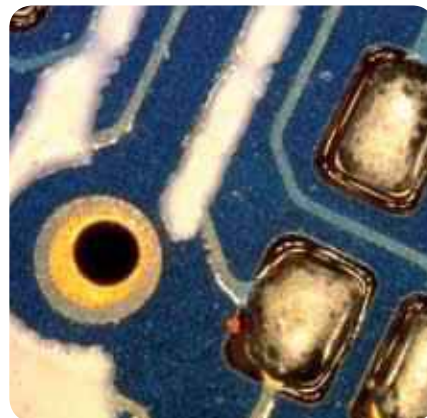
For situations where image capturing is not required, but real-time images are vital, the Dino-Lite VGA models with D-Sub connection are the right choice. They offer a very high frame rate (up to 60 fps) and crystal clear images.



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The polarizer reduces the reflections of the LEDs, resulting in crystal clear high quality images

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### Advanced software included

A professional, reliable software environment is essential when working with computer accessories like an USB microscope. All Dino-Lite USB products are equipped with an in-house developed software suite. The Dino-Capture software is continuously developed, is free of charge for Dino-Lite users and has an automatic update feature. DinoCapture software is available for Windows and DinoXcope for Macintosh computers. DinoCapture software is intuitive, user-friendly and can be used without hardly any training. Free online & e-mail software support is available.

### Languages

The DinoCapture 2.0 software is available in many languages, such as: English, German, French, Spanish, Chinese, Japanese, Portuguese, Italian, Russian, Dutch, Greek, Hungarian, Polish, Romanian, Swedish, Finnish, Danish, Czech, Croatian, Norwegian, Turkish.

### SDK, Software Development Kit

Dino-Lite offers a software development kit which allows developers to easily add control of Dino-Lite digital microscopes. It works with any Windows-compatible device and offers the complete control over LED and Microtouch on the Dino-Lite. Moreover, it provides simple methods for extracting color, real-time binary image, image comparing, etc. The SDK is available free of charge for Dino-Lite partners and users.

### 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 options**
- > **E-mail integration**
- > **Adding notes and markings on images**
- > **Skype/MSN integration for real-time on-line 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**

## The included advanced software offers several enhanced features



DinoCapture 2.0

DinoXcope

SDK



Compatible with  
Windows XP®  
Windows Vista®  
Windows 7®



Compatible with  
Mac OS X®



*Redefine the microscope*

## AM4013MZT

ESD-safe



ADJUSTABLE  
~10-70x & 200x



1.3 MEGAPIXEL  
1280 x 1024



POLARIZER  
ANTI-REFLECTION

Great for working with  
reflective objects



By using a special polarization filter, the AM4013MZT is the right choice when working with high glare materials such as plastics and metals. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry.

## AD4013MZTL

ESD-safe



CONTINUOUS  
~20x - 90x



1.3 MEGAPIXEL  
1280 x 1024



POLARIZER  
ANTI-REFLECTION



LONG WORKING  
DISTANCE  
4-15 cm

Great for working with  
reflective objects



The AD series have a detachable cap and is delivered with both a closed and an open exchangeable cap. This MZTL model has a long working distance, polarisation filter and a third (exchangeable) polarisation cap. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry.

## AM7013MZT

ESD-safe



ADJUSTABLE  
~10-70x & 200x



5 MEGAPIXEL  
2592 x 1944



POLARIZER  
ANTI-REFLECTION

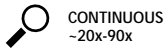
Great for working with  
shiny/reflective objects



The Dino-Lite AM7013MZT has a 5 megapixel sensor for crystal clear images, even under higher magnification. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry. The built-in adjustable polarizer reduces glare and reflection on shiny objects. Because of the very high resolution, the AM7013MZT is the ideal solution for displaying microscopic images on large screens or using the microscopic images for printing.

## AD7013MTL

ESD-safe



CONTINUOUS  
~20x-90x



5 MEGAPIXEL  
2592 x 1944



LONG WORKING  
DISTANCE  
4-15 cm



EXCHANGEABLE  
CAP

Optional mirror-angle  
(FC-L-MA1) available



The Dino-Lite AD7013MTL has a 5 megapixel sensor for crystal clear images, even under higher magnification. Because of the very high resolution, the AD7013MTL is the ideal solution for displaying microscopic images on large screens or using the microscopic images for printing. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry. The AD series are equipped with exchangeable caps for even more flexibility. The long working distance of up to 15 cm enables the possibility to work under the microscope.

## AM4016MZT

ESD-safe



ADJUSTABLE  
~10 - 70x & 200x



RESOLUTION  
800 x 600



POLARIZER  
ANTI-REFLECTION



LONG WORKING  
DISTANCE  
4-15 cm



The Dino-Lite AM4016MZT connects directly to a VGA screen via a VGA (D-SUB) connector. It offers a high frame rate of up to 60fps at 800x600 resolution and has enhanced low light visibility so you can see clearly in any situation. The built-in adjustable polarizer reduces glare and reflection on shiny objects. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry. The AM4016MZT is the ideal choice in situations, where real time images are vital. The LEDs can be switched on and off by using the MicroTouch sensor on the microscope.

## AM4016MZTL

ESD-safe



CONTINUOUS  
~10x - 90x



RESOLUTION  
800 x 600



POLARIZER  
ANTI-REFLECTION



LONG WORKING  
DISTANCE  
4-15 cm



The Dino-Lite AM4016MZTL connects directly to a VGA screen via a VGA (D-SUB) connector. It offers a high frame rate of up to 60fps at 800x600 resolution and has enhanced low light visibility so you can see clearly in any situation. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry. The built-in adjustable polarizer reduces glare and reflection on shiny objects. Together with the long working distance of up to 15 centimetres the AM4016MZTL is the ideal choice in situations, where real time images are vital, such as working on PCB's or other miniature objects. The LEDs can be switched on and off by using the MicroTouch sensor on the microscope.

**MS35BE stand**  
ESD-safe



Square metal base with ESD-safe coating with column and support providing several adaptable heights. The MS35BE comes with an ESD (electrostatic discharge) safe base plate instead of the standard MS35B base plate.

**MS36BE stand**  
ESD-safe



Square metal base with ESD-safe coating with column and support providing several adaptable heights. The MS36BE comes with an ESD (electrostatic discharge) safe base plate instead of the standard MS36B base plate. The MS36BE has a horizontal beam to enable additional flexibility in the horizontal plane.

**FC-L-MA1**  
**Mirror Angle Adapter**  
ESD-safe



The mirror angle adapter fits onto the models with long working distance: AD4013MZTL and AD7013MTL. It generates no significant static making it a safe and essential tool for anyone in the electronics industry.

**SW-F1**

Foot pedal accessory allowing you to take a picture with your foot



**MS25X**

Robust Inspection turntable



Model	Resolution	Magnification	Long working distance	Measurement	Calibration	LED	LED on/off	UV	Infrared	Polarizer	Metal housing
AM4013MZT ESD-safe	1,3 Megapixel	10-70x, 200x	-	✓	✓	8	✓	-	-	✓	✓
AD4013MZTL ESD-safe	1,3 Megapixel	20-90x	✓	✓	✓	8	✓	-	-	✓	✓
AM7013MZT ESD-safe	5 Megapixel	10-70x, 200x	-	✓	✓	8	✓	-	-	✓	✓
AD7013MTL ESD-safe	5 Megapixel	20-90x	✓	✓	✓	8	✓	-	-	-	✓
AM4016MZT ESD-safe	800 x 600 pixels	10-70x, 200x	-	✓	✓	8	✓	-	-	✓	✓
AM4016MZTL ESD-safe	800 x 600 pixels	10-90x	-	✓	✓	8	✓	-	-	✓	✓
MS35BE ESD-safe	Metal vertical desktop stand										
MS36BE ESD-safe	Metal vertical desktop stand with horizontal beam										
FC-L-MA1 Mirror Angle Adapter ESD-safe	Fits onto the models AD4013MZTL and AD7013MTL										
SW-F1	Foot pedal accessory allowing you to take a picture with your foot										
MS25X	Robust Inspection turntable										

The Dino-Lite product range comprises more than 70 models. For information on other models please check [www.dino-lite.eu](http://www.dino-lite.eu) or contact your local reseller.