Dino-Lite
Digital Microscope

Redefine the microscope

www.dinolite.us

What is the Dino-Lite?

The Dino-Lite digital microscope is an amazing and easy to use portable handheld device for inspection, testing, and documentation. As the live image is displayed on a monitor, users are able to inspect and analyze the image using software while sitting in a comfortable upright position.

All Models Include

2-YEAR WARRANTY • FREE TECH SUPPORT

New Products

Edge 3.0

Our USB 3.0 microscopes can achieve up to 45 FPS at full, uncompressed 1280x960 resolution.

OTHER FEATURES INCLUDE:

- Improved color accuracy
- 2560x1920 Maximum Resolution
- Removable USB 3.0 Cable
- Standard, Long, and Far working distance models available

MODELS

AM73915MZT
- Standard Working Distance
- 10x-220x Magnification

AM73915MZTL
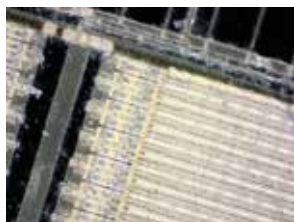- Long Working Distance
- 10x-140x Magnification

AM73115MTF
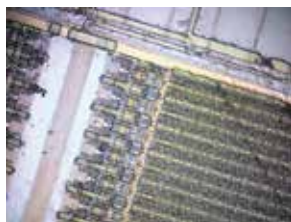- Far Working Distance
- 10x-70x Magnification

Integrated Wi-Fi

Select upcoming models will have built-in Wi-Fi. Connect to your computer, phone or tablet, no cables needed!

Coaxial Lighting Models

Built-in coaxial lighting can reveal hidden details not visible otherwise. The N3C-A cap provides similar results for compatible models.

Normal Lighting   Coaxial Lighting
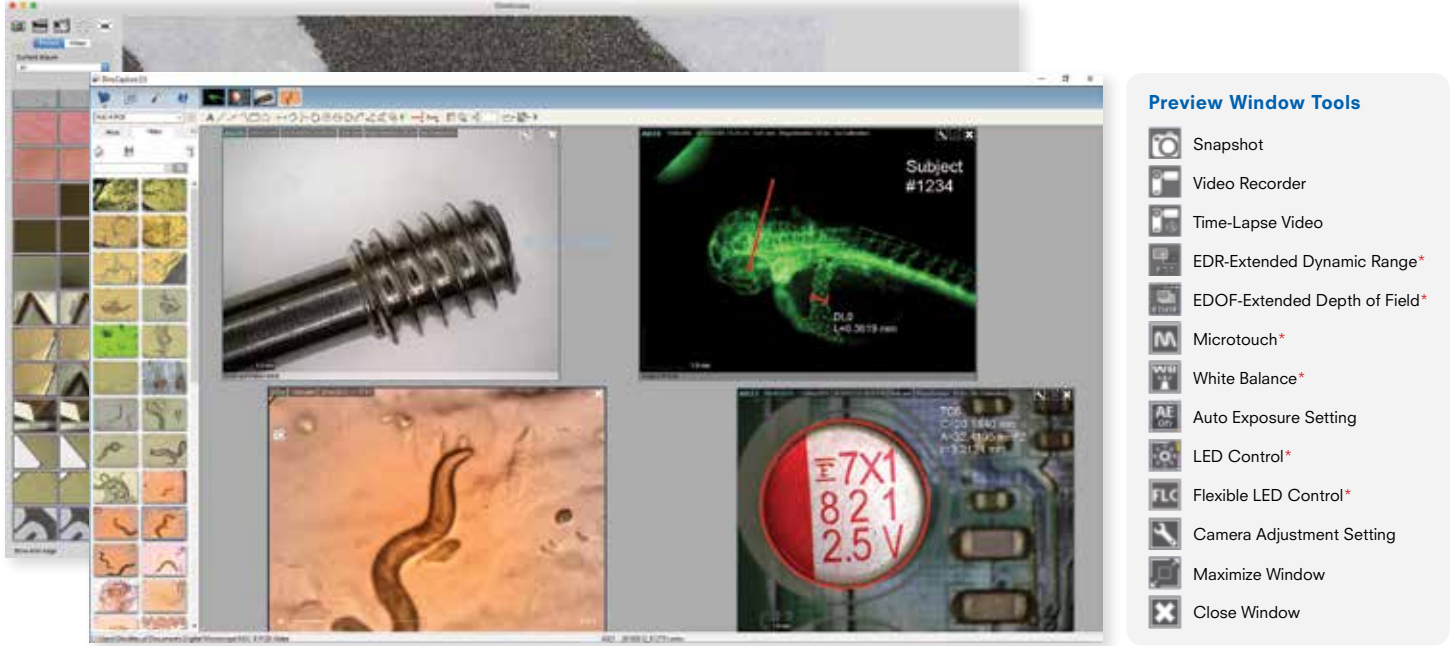
New Eyepiece Camera

The AM7025X is our first Edge Series eyepiece camera. The AM7025X features enhanced color accuracy, 2592x1944 maximum resolution, and better clarity overall.

Key Features

Capture Images & Video

Easily save images, videos, and time-lapse videos using the included license-free software.

Preview Window Tools

	Snapshot
	Video Recorder
	Time-Lapse Video
	EDR-Extended Dynamic Range*
	EDOF-Extended Depth of Field*
	Microtouch*
	White Balance*
	Auto Exposure Setting
	LED Control*
	Flexible LED Control*
	Camera Adjustment Setting
	Maximize Window
	Close Window

*Feature can only be found on specific Dino-Lite models.

Adjust Image Settings

Use the software settings panel to adjust lighting, colors, brightness, contrast, and other settings.

Connectivity Types

There are various ways to connect different Dino-Lite models, such as USB 2.0, USB 3.0, TV (RCA), VGA, and HD/DVI connections.

Magnification Ranges

Simple to use with powerful results, our standard magnification ranges from 10x-220x, with models up to 900x.

High Resolution

The Dino-Lite 5MP Edge Series are specially designed for industrial applications where users can benefit from the higher resolution for detailed inspections, with a maximum resolution of 2592x1944.

Two Housing Types

The standard ABS plastic body is very reliable and strong. The metal body consists of aerospace-grade machine tooled aluminum, which offers enhanced protection.

Lighting Control

Sometimes light can be a damaging factor. Many Dino-Lite models have a built-in adjustable polarizer for reducing glare. Diffuser caps, lighting accessories, and exposure adjustments also help to achieve optimal results.

Measurement & Annotation

Most models have measurement capability, including lines, circles, angles, and more. The snap feature lets you snap to any edge, allowing you to take measurements more easily. You can also add annotations for easy organization of files.

Special Lighting - IR/UV/Fluorescence

Along with white LED lighting, we offer models with special lighting such as fluorescence, UV, and IR. A small sample are listed here.

Series	Excitation Wavelength	Emission Filter
CFVW	400nm	430nm
GFBW	480nm	510nm
GRFBY	480/575	510/610
YFGW	525nm	570nm
RFYW	575nm	610nm
DFRW	620nm	650nm

Mobile Solutions

WF-10 & DinoConnect App

The WF-10 WiFi adapter is designed to wirelessly stream the live image from a compatible Dino-Lite to mobile devices such as iPhones, iPads, Android phones, and Android tablets. Using the iOS DinoConnect app, you can even take measurements on the go.

Chromebooks

Some Dino-Lite models may be used with Google Chromebooks by using the default camera application.

DinoDirect App for Android

Connect a compatible Dino-Lite model by USB to a supported Android device and use the DinoDirect app to view a live image, and capture images and videos.

Accessories

RK-10A Stand & Add-ons

Our universal ergonomic tabletop stand featuring precise focus adjustments and a smooth quick release function. The included arm can be replaced or extended with various add-ons maximizing viewing angles and versatility.

1. RK-10A
Universal Stand

2. RK-10-FX
Flexible Extension

3. RK-10-VX
Vertical Extension

4. RK-10-PX
XY-Positioning Arm

5. MSA2T
Add-on Height
Extender Accessory

More Stands

MS09B
Ultra Portable

MS35B
Stable Desktop Stand

MS36B
Stable Desktop Stand
with Horizontal Arm

MS37B-2X
Dual Stand with One
Horizontal Arm

MS34B-R3
Compact Dual Fine
Adjustment Stand

MS33W
Articulating
Desktop Stand

RK-02
Sturdy Articulating
Desk Clamp

MS52BA2
Articulating Elbow
Stand

Other Accessories

N3C-R
Ring Light for
Edge Series

N3C-A
Coaxial Light Cap for
Edge Series

BL-CDW
Bright Field & Dark
Field Backlight Stage

BL-ZW1
Polarized Backlight

Additional Accessories

MS23B
Articulating Clamp Stand

MS35B-P4
Stable Desktop Stand with
Dual Scope Mount

MS37B-26
Dual Horizontal Arm Stand

MS45BX-D2
Dual Specimen
Comparison Stand

MS09B-S
Stainless Steel Ultra
Portable Stand

MS62W1
Wheel Rack Stand

MS62P
Rolling Rack

MSAK826
Photo Light Box for
MS35B/MS36B*

MSHD-M1
Metal Holster

MSAK842
Multifunctional Stage for
Diamonds & Gemstones

MSAK843
Multifunctional Slotted Stage

MSAK845
Object Holder
Attachment for MS35B*

MS15X-S2
XY Rotation Stage for
RK-10A/MS35B/MS36B*

MS33A
Articulating Single Lock Stand

MS17TSW-F1
Foot Pedal Controller

MSKM-01
Knob Motor

MSAR5B
Thin Section Rotating
Base for MSBL-ZW1*

MS35B-A810
Vertical Mount With Flex-Arm

MSAK813
Advanced Supplemental
Dual Articulating Spot Light*

MS36WA2
Horizontal Mount with
Industrial Base

*Additional accessories required.

Working Distance

The Working Distance (WD) is the distance between the end of the Dino-Lite and the object being viewed. The most versatile models have as little as zero working distance at certain magnifications while others are designed for applications that require more space.

| Standard 10x-220x | Long 5x-140x | Far or Extended 10x-70x |

Edge Series

Built to professional standards with high quality optical resolution, field of view enhancement, and more.

ADVANCED FEATURES*:

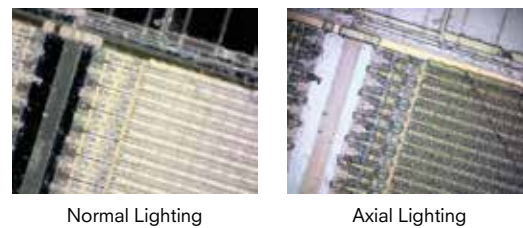**+ INTERCHANGEABLE CAP DESIGN**

Most Edge series models have a removable cap design and include a set of alternate caps. Each cap has a different lighting and focus effect for increased versatility.

N3C-O (9.5mm)   N3C-E (12.5mm)   N3C-C (9.5mm)

N3C-L (30mm)   N3C-D (14mm)   N3C-S (14mm)

+ AUTOMATIC MAGNIFICATION READING

AMR automatically communicates the current magnification to the DinoCapture 2.0 software for more efficient and accurate measurements.

+ FLEXIBLE LED CONTROL (FLC)

With controllable LED quadrants, switching capability, and a 6-level adjustable luminance, FLC provides greater control of the lighting.

+ COAXIAL LIGHTING

Some models include a coaxial lighting mode that can reveal hidden details not visible otherwise.

Normal Lighting   Axial Lighting

+ EXTENDED DEPTH OF FIELD (EDOF)

EDOF automatically captures and combines multiple images at different focal points to produce one clear image.

Normal Image   EDOF

*Advanced features vary by model.

Dino-Eye Camera

Dino-Eye cameras are designed to convert your existing traditional, stereo, or compound microscope into a digital microscope. Simply insert the camera in the eyepiece, or C-mount, and connect via USB. Dino-Eye cameras are available in a number of different sizes to fit your microscope.

Dino-Lite Direct (TV)

Designed to connect directly to a TV display, Dino-Lite connect models are available with RCA, VGA, or HD/DVI connection. Plug in your display and power on, no software needed. Great for applications that only require viewing, or when a computer is not available.

Product List

Dino-Lite Digital Microscope

Product	Resolution	Magnification	Interface	LEDs	Measurement & Calibration	Polarizer	Metal Housing	FLC	Working Distance	Special Features*
Dino-Lite Basic										
AM2111	640x480	10x-50x, 230x	USB 2.0	4-White					Standard	
Dino-Lite Premier										
AM3111	640x480	10x-50x, 230x	USB 2.0	8-White					Standard	
AM4111T	1280x1024	10x-50x, 230x	USB 2.0	8-White					Standard	
AM4113ZT	1280x1024	10x-50x, 230x	USB 2.0	8-White	■	■			Standard	
AM4113ZTL	1280x1024	10x-90x	USB 2.0	8-White	■	■			Long	
Dino-Lite Edge (USB)										
AM4115ZT	1280x1024	10x-230x	USB 2.0	8-White	■	■			Standard	
AM4115ZTW	1280x1024	2x-50x	USB 2.0	8-White	■	■			Wide Angle	
AM4115ZTF	**1280x1024**	**10x-70x**	**USB 2.0**	**8-White**	■	■			**Far**	
AM4515ZT4	1280x1024	400x-475x	USB 2.0	8-White	■				Standard	AMR
AM7115MZT	2592x1944	10x-230x	USB 2.0	8-White	■	■	■	■	Standard	
AM7115MZTL	2592x1944	10x-140x	USB 2.0	8-White	■	■	■	■	Long	
AM7515MT4A	**2592x1944**	**400x-470x**	**USB 2.0**	**8-White**	■		■	■	**Standard**	**COAX+AMR**
AM7515MT8A	**2592x1944**	**700x-900x**	**USB 2.0**	**8-White**	■		■	■	**Standard**	**COAX+AMR**
AM7915MZT	2592x1944	20x-220x	USB 2.0	8-White	■	■	■	■	Standard	AMR+EDOF*
AM7915MZTL	2592x1944	10x-140x	USB 2.0	8-White	■	■	■	■	Long	AMR+EDOF*
AM73115MTF	**2560x1920**	**10x-70x**	**USB 3.0**	**8-White**	■		■	■	**Far**	
AM73915MZT	**2560x1920**	**20x-220x**	**USB 3.0**	**8-White**	■	■	■	■	**Standard**	**AMR+EDOF***
AM73915MZTL	**2560x1920**	**10x-140x**	**USB 3.0**	**8-White**	■	■	■	■	**Long**	**AMR+EDOF***
Dino-Lite Edge (TV)										
AM5212NZT	960x480	10x-220x	TV/RCA	8-White		■			Standard	
AM5212MNZ	960x480	10x-220x	TV/RCA	8-White		■	■		Standard	
AM5212MNZL	960x480	5x-140x	TV/RCA	8-White		■	■		Long	
AM5216ZT	1280x720	10x-220x	VGA	8-White		■			Standard	
AM5216ZTL	1280x720	5x-140x	VGA	8-White		■			Long	
AM5216ZTF	**1280x720**	**1x-70x**	**VGA**	**8-White**		■			**Far**	
AM5218MZT	**1280x720**	**10x-220x**	**HD/DVI**	**8-White**		■	■		**Standard**	
AM5218MZTL	**1280x720**	**5x-140x**	**HD/DVI**	**8-White**		■	■		**Long**	

Items in bold were released in 2017   *EDOF features are available only on Windows

Dino-Eye Eyepiece Camera

Product	Resolution	Base Magnification	Interface	Measurement & Calibration	Aperture Diameter
AM4023X	1280x1024	20x	USB 2.0	■	23mm, 30mm, 30.5mm
AM4023CT	1280x1024	1x	USB 2.0	■	C-Mount
AM4023U	1280x1024	1x	USB 2.0	■	Over ocular up to 36mm
AM4025X	**1280x1024**	**20x**	**USB 2.0**	■	**23mm, 30mm, 30.5mm**
AM7023CT	2592x1944	1x	USB 2.0	■	C-Mount
AM7025X	**2592x1944**	**20x**	**USB 2.0**	■	**23mm, 30mm, 30.5mm**
AM422XN	640x480	20x	TV/RCA		23mm, 30mm, 30.5mm

Accessories

Product	Description
RK-10A	Precision tabletop stand with quick release & fine adjustment
RK-10-FX	Flexible arm attachment for RK-10A
RK-10-VX	Vertical extension attachment for RK-10A
RK-10-PX	XY positioning arm accessory for RK-10A
RK-02	Sturdy gooseneck stand with C-clamp
MS35B	Stable tabletop stand
MS36B	Stable tabletop stand with horizontal boom arm
MS09B	Ultra portable lightweight stand

Product	Description
MS33A	Articulating single lock stand
MSA2P	Extension pole for the MS35B/MS36B
MS34B-R3	Ultra portable dual fine adjustment stand
KM-01	Motor control for magnification knob
MS15X-S2	XY and rotation stage for RK-10A/MS35B/MS36B
BL-ZW1	Polarized backlight
BL-CDW	Backlight stage with bright field & dark field illumination
WF-10	Dino-Lite Wi-Fi Adapter for iOS & Android devices

Additional products and technical specification sheets available
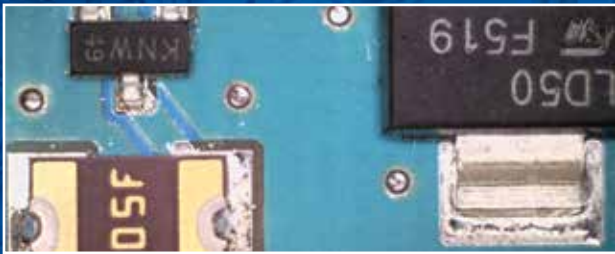
Applications

Industrial

- Quality Control
- Automotive
- Textile & Composite
- Nonwovens
- Testing
- Manufacturing
- Machine Vision

PCB & IC

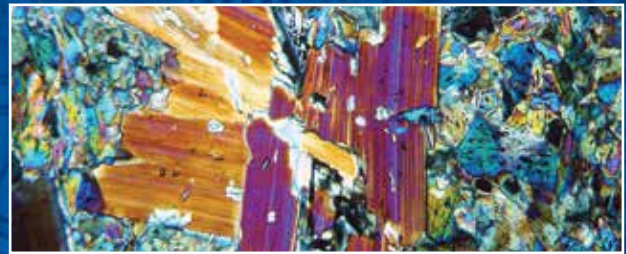
- Component Inspection
- Soldering
- Quality Control
- Failure Analysis
- BGA Inspection
- Counterfeit PCB/IC
- Silicon Wafer

Medical

- Veterinary
- General Medical
- Dermatology
- Eye / Ear / Nose / Throat

Laboratory

- Life Science
- Genetics
- Zebrafish
- Slides

Fluorescence/UV

- Zebrafish
- Genetics
- GFP/RFP
- Counterfeit Detection
- Forensics
- Custom Wavelengths

Science

- Geology
- Archaeology
- Paleontology
- Plants
- Insects
- Mineralogy

Education/Academics

- Teaching
- Research Lab
- Field Research

Jewelry/Collectibles

- Jewelry
- Coin & Numismatic
- Antiques
- Hobby