



Dino-Lite Field of View and Working Distance

The Dino-Lite digital microscope range offers many different models. The magnification capabilities, field of view and working distance is dependant upon the model. As with all digital microscopes the actual magnification is relative to the size of the viewing screen and so it is often more appropriate to consider the field of view that the device provides. The following tables illustrate the field of view and working distance of the various models at selected magnifications.

1.3M pixel (1280x1024) Dino-Lite Pro USB microscopes with
10x-60x & 200x magnification

**AM411T, AM413T, AM413ZT, AM413MT, AM413FVT,
AM413FVT2, AM413FIT, AM413T-FVW etc.**

Magnification	Working Distance (mm)**	Field of view (mm)*
10x	130	48 x 36
20x	50	24 x 18
40x	10	12 x 9
60x	0	8 x 6
200x	0	2.4 x 1.8

** The 'AD' models have a removable nose cone. This provides an additional 7mm of working distance when removed

1.3M pixel (1280x1024) Dino-Lite Pro USB microscopes with
20x-90x magnification (Long Working Distance)

AM413TL, AM413MTL, AM413TL-FVW etc.

Magnification	Working Distance (mm)**	Field of view (mm)*
10x	310	48 x 36
20x	150	24 x 18
40x	80	12 x 9
60x	58	8 x 6
90x	48	5.4 x 4.0

** The 'AD' models have a removable nose cone. This provides an additional 7mm of working distance when removed

1.3M pixel (1280x1024) Dino-Lite Pro USB microscopes with
5x-40x magnification (Long Working Distance)

AM413TL-M40

Magnification	Working Distance (mm)	Field of view (mm)*
5x	345	100 x 80
10x	170	50 x 40
20x	80	25 x 20
30x	55	17 x 13
40x	45	13 x 10

1.3M pixel (1280x1024) Dino-Lite Pro USB microscopes with
500x fixed magnification - AM413T5

Magnification	Working Distance (mm)#	Field of view (mm)*
500x	0	1.0 x 0.7

The 500x models are designed for contact inspection but do have a focus control providing ~1.5mm of adjustment to the working distance.

VGA (640x480) Dino-Lite and Dino-Lite Plus USB
microscopes with **10x-60x & 200x magnification**

**AM211, AM311S, AM311ST, AM313, AM313T, AM313FVT
etc.**

Magnification	Working Distance (mm)	Field of view (mm)*
20x	50	17.5 x 13.0
40x	10	8.7 x 6.5
60x	0	5.8 x 4.3
200x	0	1.7 x 1.3

*NOTE: The field of view on the newer 4013, 2011 & 3013 models is approximately 78% of that specified above.

"Magnification" - This is the magnification value as read from the microscope thumbwheel. Absolute magnification is dependant upon the viewing screen size.

"Working Distance" - This is the distance as measured from the examination surface to the tip of the microscope nose cone.

"Field of View" - This is the visible area of the examination surface on the viewing screen

All figures are approximate and for illustration purposes only

Specifications are subject to change without notice, please contact us for the latest information prior to purchase.