

AM5018MZTL



The Dino-Lite Premier AM5018MZTL is designed for connecting directly to HDTV or LCD monitors with HD 720p format, with long working distance (LWD) feature. This LWD model yields higher magnification and larger depth of field under the same working distance though the highest attainable magnification is smaller. This feature provides greater clearance between the microscope and the viewing object, which can be helpful for applications such as repairing or assembling, quality inspection, assembly lines, presentations, training, and more.

The AM5018MZTL is one of the DVI interface microscope that feature an adjustable polarizer to help suppress unwanted glare or reflections.

The AM5018MZTL's MicroTouch provides the convenience to freeze the live video to examine details with a simple tap. The LEDs can also be switched by tap and holding the same MicroTouch for two seconds. In similar to most general purpose Dino-Lite models, it has adjustable magnification from 20x to 90x varied with working distance.

Overview



HD 720p

View sharp and vibrant details with HD 720p resolution using direct digital DVI interface. The Dino-Lite can be readily used with little effort using a LCD monitor or a large HDTV for detailed observations and impressive presentations.



Largest magnification range with long working distance

The wide magnification range (20x to 90x) is achieved with long working distances, which can be helpful when clearance is required between the microscope and the viewing object.



LED Control

Switch the LEDs On/Off for illumination options by simply touching the MicroTouch for two seconds.



Freeze frame

Choose to take a moment and examine important details by freezing the live video simply by touching the MicroTouch on the Dino-Lite.



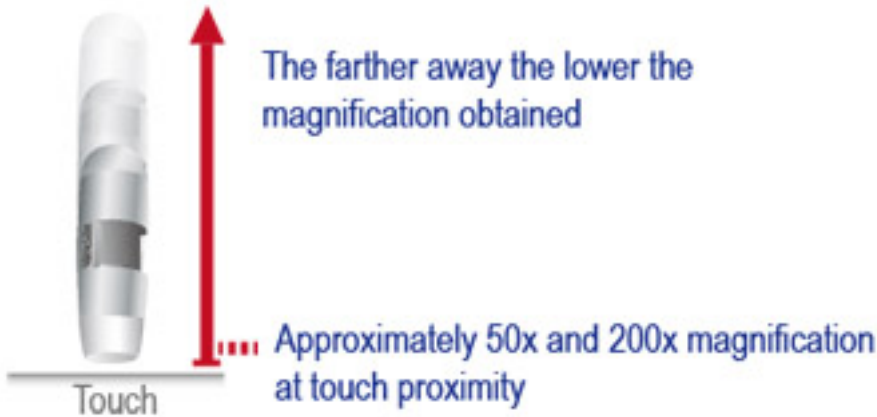
Adjustable polarizer

This model includes a freely adjustable polarizer that is useful for suppressing unwanted glare or reflection from object surface to any extent, making it ideal for most applications.

Information about working distance and field of view

M	WD	FOV (x)	FOV (y)
20	151.0	19.6	15.6
30	101.0	13.0	10.4
40	77.2	9.8	7.8
50	64.1	7.8	6.3
60	56.2	6.5	5.2
70	51.3	5.6	4.5
80	48.3	4.9	3.9
90	46.6	4.3	3.5

M = magnification rate of field WD = working distance (without front cap) FOV = field of view DOF= depth of field Unit = mm



Specification

- Model : AM5018MZTL Dino-Lite Premier
- Interface : DVI
- Product Resolution : HD 720p
- Magnification Rate : 20x~90x
- Sensor : Color CMOS
- Frame Rate : 60fps
- Microtouch : LED On/Off - Tap and hold for two seconds
- Freeze / unfreeze frame - Tap
- Lighting : 8 white LEDs
- Polarizer : Yes
- System Requirement : Monitor with DVI interface supporting 720p video input
- Unit Weight : 92g
- Unit Dimension : 10.5cm (H) x 3.2cm (D)
- Package Dimensions : 21.5cm(L) x 18cm(W) x 7cm(H)

