



Dino-Lite AM7515MTFP-APL Digital Microscopes Instruction Manual

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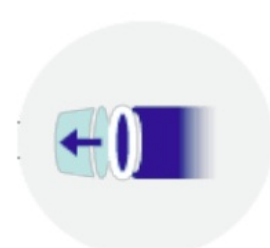
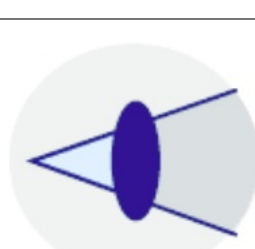
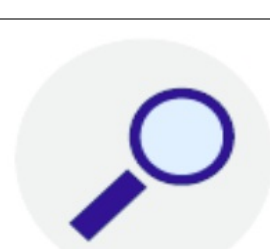
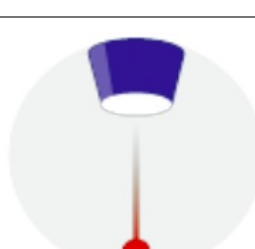
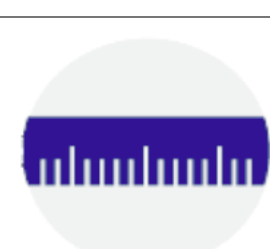
Short Description

Integrated with Aim Point Laser (APL), the AM7515MTFP eases the tasks of locating and focusing the target under the microscope. The AM7515MTFP is a 5MP Extra Long Working Distance (ELWD) microscope, equipped with a 45-70x magnification range featuring AMR, FLC, APL and a metal housing. The microscope providing clear images up to 70x magnification at 108 mm working distance.

Description

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with a 45-70x magnification range featuring AMR, FLC, APL and a metal housing. The microscope providing clear images up to 70x magnification at 108 mm working distance.

USB 2.0		Flexible LED Control FLC	
Standard working distance		5 megapixel 2592 x 1944	
8 White LEDs switchable		Automatic Magnification Reading (AMR)	
Magnification lock		Exchangeable cap	
Polarizer anti-reflection		Adjustable -45x-70x	
Aim Point Laser 656nm laser diode		Measurement. functionality	

The AM7515MTFP is part of the Long Working Distance (LWD) range and with its Long Working Distance and magnification range from 45-70x, it is suitable for a wide

range of applications where extra distance to the object or a larger field of view is required.

The extra working distance and larger field of view make this model an ideal solution for tasks such as repair, rework or assembly or for working with bulky or fragile objects that cannot be touched. Because of the built-in polarization filter this model is ideal when working with shiny or reflective objects such as metal, plastic, glass, jewelry, electronics, etc. The AMR function is of particular importance when the measurement functions are frequently used.

The Aim Point Laser (APL) is an integrated trough-lens laser projecting a red dot that provides a visual reference point for the positioning and focusing of the target.

[view \(1\)](#)

The main features of the AM7515MTFP are:

5 Megapixel Edge sensor

- Long Working Distance (LWD)
- 45-70x magnification
- Integrated polarizer
- Aluminum housing
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- Extensive measurement functions
- Calibration
- Exchangeable front caps
- And more...

Working distance/field of view/depth of field

MAGNIFICATION RATE WORKING DISTANCE 1 WORKING DISTANCE			FIELD OF VIEW (X)	FIELD OF VIEW (Y)	DEPTH OF FIELD
2* Listed values		* Without			Unit = mm
may differ		front cap			
slightly					
45	—	146	8.7	6.9	2.1
50	—	135	7.8	6.3	1.8
60	—	120	6.5	5.2	1.3
70	—	108	5.6	4.5	1.0
Listed values		* Without			Unit = mm
may differ		front cap			
slightly					

Specification

Lighting	
Light/ LED type	White
Number of LEDs	8
LED on/off switchable:	Yes
Infrared filter	IR cut-filter >650 nm
Diffuser available	Yes (N3C-D included)
Emission filter	No
Polarizer	No
Laser Pointer	656nm laser diode
Optics	
Magnification	45-70x
Macro zoom	No
Working distance	Long
Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	5 Megapixel (2592×1944)
Maximum frame rate	30 fps
Compatibility	
Interface	USB 2.0
Operating system	Windows 7, 8, 10 & 11, MacOS 10.14 and up
Included software	DinoCapture 2.0 (Windows), DinoXcope (MacOS)
Supported image formats(Windows)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA,PCX, MNG, WBMP, JP2, J PC, PGX
Supported video formats(Windows)	WMV, FLV, SWF
Supported image formats(MacOS)	JPEG, PNG
Supported video formats(MacOS)	MOV (max 1.3MP)
Imaging standards	DirectShow, UVC
Wifi	Wireless-ready, requires the WF-10 WiFi streamer(optional)
Housing	
Housing material	Metal housing
Dimensions	10.7cm (L) x 3.2cm (D)
Weight	140gr

Documents / Resources

	<p>Dino-Lite AM7515MTFP-APL Digital Microscopes [pdf] Instruction Manual</p> <p>AM7515MTFP-APL Digital Microscopes, AM7515MTFP-APL, Digital Microscopes, Microscopes</p>
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References

-  [TCPDF](#)
- [User Manual](#)