

# AM7515MTFP-APL



**Brand:**  
**Product Code:** AM7515MTFP

## Short Description

5 Megapixel Edge sensor  
Aim point laser (APL)  
Long Working Distance (LWD)  
45-70x magnification  
Automatic Magnification Reading (AMR)  
Flexible LED Control (FLC)

## 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.



USB 2.0



Aim Point Laser  
656nm laser diode



5 megapixel  
2592 x 1944



Standard working  
distance



Measurement  
functionality



8 White LEDs  
switchable



Adjustable  
~45x-70x



Automatic  
Magnification  
Reading (AMR)



Magnification  
lock



Polarizer  
anti-reflection



Flexible LED  
Control FLC



Exchangeable  
cap

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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.

### **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 WORKING DISTANCE FIELD OF VIEW DEPTH OF FIELD**

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

## 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 (2592x1944)
Maximum frame rate	30 fps
Compatibility	
Interface	USB 2.0
Operating system	Windows 7, 8, 10 & 11, MacOS 10.14 and up
Software	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
Supported image formats (Windows)	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA, PCX, MNG, WBMP, JP2, JPC, 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)
<b>Housing</b>	
Housing material	Metal housing
Dimensions	10.7cm (L) x 3.2cm (D)
Weight	140gr
Cable length	1.8m
<b>Features</b>	
Special feature	Automatic Magnification Reading (AMR), Flexible LED Control (FLC). Aim Pointer Laser (APL)
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	Yes
<b>Information</b>	
Package contents	Microscope, carry pouch, software CD, calibration target, user manual, N3C-O- Open cap, N3C-C- Closed cap, N3C-D- Diffuser cap, N3C-E- Extension cap, N3C-L- Long cap, N3C-S- Side light cap
Warranty information	2 years European warranty
Regulatory approval	CE, FCC, ROHS
Price range	€900,00 - €1000,00