

AM7515MZT2P-APL



Product Code: AM7515MZT2P

Short Description

5 Megapixel Edge sensor

Aim point laser (APL)

Integrated polarizer

130x ~ 220x magnification

Automatic Magnification Reading (AMR)

Flexible LED Control (FLC)

Description

Integrated with Aim Point Laser (APL), the AM7515MZT2P eases the tasks of locating and focusing the target under the microscope. The AM7515MZT2P is a 5MP microscope with a 130x ~ 220x magnification range featuring AMR, FLC, APL, metal housing and a polarizer.



USB 2.0



Aim Point Laser
656nm laser diode



5 megapixel
2592 x 1944



Long working
distance



Measurement
functionality



8 White LEDs
switchable



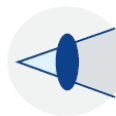
Adjustable
~130x-220x



Automatic
Magnification
Reading (AMR)



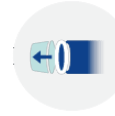
Magnification
lock



Polarizer
anti-reflection



Flexible LED
Control FLC



Exchangeable
cap



Metal
housing

The AM7515MZT2P is part of the universal range and with its standard working distance and wide magnification range from 130x ~ 220x, it is suitable for a wide range of applications. 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 through-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 AM7515MZT2P are:

- 5 Megapixel Edge sensor
- 130x ~ 220x magnification
- Integrated polarizer
- Aluminum housing
- Automatic Magnification Reading (AMR)
- Flexible LED Control (FLC)
- Aim Point Laser (APL)
- Extensive measurement functions
- Calibration
- Exchangeable front caps
- And more...

Working distance/field of view/depth of field

MAGNIFICATION RATE	WORKING DISTANCE	WORKING DISTANCE 2*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
Listed values may differ slightly		* Without front cap			Unit = mm
130	-	4.5	3.0	2.2	-
140	-	5.0	2.8	2.1	-
150	-	5.6	2.6	1.9	-

160	-	6.3	2.4	1.8	-
170	-	7.1	2.3	.17	-
180	-	8.0	2.2	1.6	-
190	-	8.9	2.1	1.5	-
200	-	9.9	2.0	1.5	-
210	-	10.9	1.9	1.4	-
220	-	11.9	1.8	1.3	0.1
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	Yes, linear
Laser Pointer	656nm laser diode
Optics	
Magnification	130x ~ 220x
Macro zoom	No
Working distance	Standard
Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	5.0 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	MOV (max 1.3MP)

(MacOS)	
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
Cable length	1.8m
Features	
Special feature	Automatic Magnification Reading (AMR), Flexible LED Control (FLC). Aim Pointer Laser (APL)
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	Yes
Information	
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	€1000,00 - €1200,00