

# AM7515MZT2P-APL



**Brand:**

**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



Standard working  
distance



Measurement  
functionality



8 White LEDs  
switchable



Adjustable  
~130x-220x



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 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 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 1  | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD |
|-----------------------------------|------------------|---------------------|------------------|------------------|----------------|
|                                   |                  | 2*                  |                  |                  |                |
| Listed values may differ slightly |                  | * Without front cap |                  |                  |                |
| 130                               | -                | 4.5                 | 3.0              | 2.2              | -              |
| 140                               | -                | 5.0                 | 2.8              | 2.1              | -              |
| 150                               | -                | 5.6                 | 2.6              | 1.9              | -              |

Unit = mm

|                                          |   |                            |     |     |                  |
|------------------------------------------|---|----------------------------|-----|-----|------------------|
| 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              |
| <b>Listed values may differ slightly</b> |   | <b>* Without front cap</b> |     |     | <b>Unit = mm</b> |

## 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 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                                                                                                                                                                          |