

DINO-LITE AM7515MZT FLC AMR POLARIZER - ESD DIGITAL MICROSCOPE (10-220X, 5MPX)



SKU: 1498931



DINO-LITE EDGE AM7515MZT FLC AMR POLARIZER

AM7515MZT - Dino-Lite hand-held USB digital microscope with Edge 5mpx sensor (10-220x), equipped with built-in LED lighting and polarizer.

Ideal for **measuring-oriented** industrial applications requiring large **working distance** and field of view, such as repair, assembly and rework tasks. The built-in polarizer allows quality inspections of reflective materials such as metals, jewelery, glass, electronic boards. etc. The robust **ESD safe aluminium housing** ensures the dissipation of electrostatic discharges. Includes the use of **DinoCapture / DinoXcope software** for Windows / Mac operating systems (downloadable online).

Note: This video shows a general presentation of all Dino-Lite microscopes, and not specifically the features of the AM7515MZT model

Product features

- **EDGE** - Thanks to the superior optics adopted, the Edge series microscopes reveal the finest details, answering the needs of the most demanding applications. Thanks to the low-loss MJPEG compression, the advanced CMOS image sensor



- allows to transmit fluid and crisp images and superb colours with a resolution up to 2592x1944 pixels
- **Polarizer** - The built-in adjustable polarizer allows to easily remove reflection or glare from the object surface for a better contrast
- **Flexible LED Control (FLC)** - Maximize illumination flexibility by offering independent On/Off control to the four LED quadrants, in addition to the 6-level intensity adjustment
- **Automatic Magnification Reading (AMR)** - You no longer have to stop and check the magnification to take a measurement: AMR detects the magnification rate automatically through the software, making measurements a more efficient, accurate and pleasant process
- **Scroll Lock** - This function ensures the focus knob staying at the desired focus or magnification position, without worry about unintentional movement.

Specifications

- Optics
Magnification range: **10 ~ 220 x**
Lens type: Glass with anti-reflection coating
- Sensor
Sensor type: CMOS
Camera resolution: **5 Megapixel** (2592 x 1944 pixel)
Frame rate: **10 fps** (in 5 MP / 3 MP / 2 MP, MJPEG), **25 fps** (in 1.3 MP, MJPEG), **30 fps** (in VGA, MJPEG)
- Supported image formats:
- DinoCapture 2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM
- DinoXcope: PNG, JPEG
- Supported video formats:
- DinoCapture 2.0: WMV, FLV, SWF
- DinoXcope: MOV
- Lighting: 8 white LEDs (4 quadrants with independent On/Off control switch and 6-step adjustable brightness)
- Polarizer: Yes
- Microtouch sensor: Yes
- **Measuring and calibration functions: Yes**
Magnification lock: Yes
- Connection cable: USB 2.0 - Length: 1.8 m
- Connectivity: Wireless ready - ATTENTION: Requires a WF-10 WiFi streamer to work (NOT included)
- Housing material: Aluminium
- **ESD safe: Yes**
- RoHS compliant: Yes
- Dimensions: **OAL 105 mm**, Diameter 32 mm
- Weight: 135 g.

Optical data

Magnification (x)	Working distance* (with cap)	Working distance* (without cap)	FOV (x)	FOV (y)	Depth of field*
10	-	142.6	39.6	29.7	26.1
20	52.7	60.1	19.5	15.6	2.5
30	26.0	33.5	13	10.4	1.8
40	13.4	20.9	9.8	7.8	1.5
50	6.4	13.9	7.8	6.3	-
60	2.2	9.7	6.5	5.2	-

70	-	7.1	5.6	4.5	1.0
80	-	5.5	4.9	3.9	-
90	-	4.5	4.3	3.5	-
100	-	4.1	3.9	3.1	-
110	-	4.0	3.6	2.8	-
120	-	4.1	3.3	2.6	-
130	-	4.5	3.0	2.4	-
140	-	5.0	2.8	2.2	-
150	-	5.6	2.6	2.1	-
160	-	6.3	2.4	2.0	-
170	-	7.1	2.3	1.8	-
180	-	8.0	2.2	1.7	-
190	-	8.9	2.1	1.6	-
200	-	9.9	2.0	1.6	-
210	-	10.9	1.9	1.5	-
220	-	11.9	1.8	1.4	0.1

*Unit: mm.

Package content: AM7515MZT microscope, Calibration target, Exchangeable caps (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), USB connecting cable (1.8 m length), User manual.