AF7115MZT

Marca: Dino-Lite
Codice del prodotto: AF7115MZT

Short Description
High Optical Resolution
5.0 Megapixel
Flexible LED Control (FLC)
Adjustable Polarizer
Adaptable Interface
Robust Metal Housing

Descrizione
AF7115MZT is a 5-megapixel digital microscope offering high-resolution imaging with a 20x ~ 220x magnification. This model has Flexible LED Control (FLC) for maximizing lighting adjustability and a polarizer for reducing unwanted reflections. AF7115MZT is compatible with WF-20, a Wi-Fi streamer.

USB 2.0

Measurement functionality

Adjustable ~20x - 220x

Magnification lock

Metal housing

5 megapixel 2592 x 1944

8 White LEDs switchable

Flexible LED Control FLC

Standard working distance

Exchangeable cap

Polarizer anti-reflection

Wireless Ready

The AF7115MZT is part of the universal range and with its standard working distance and wide magnification range from 20 – 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 main features of the AF7115MZT are:

• 5 Megapixel Edge sensor
• 20-220x magnification
• Integrated polarizer
• Aluminum housing
• Flexible LED Control (FLC)
• Extensive measurement functions
• Calibration
• Exchangeable front caps
• Wireless ready
• And more...

Optical Data Table

MAGNIFICATION RATE	WORKING DISTANCE 1	FIELD OF VIEW(X)	FIELD OF VIEW(y)	DEPTH OF FIELD
10	142.6	39.6	29.7	26.0
20	60.1	19.8	14.8	7.0
30	33.6	13.2	9.9	3.3
40	21.0	9.9	7.4	2.0
50	14.0	7.9	5.9	1.4
60	9.8	6.6	4.9	1.0
70	7.3	5.7	4.2	0.8
80	5.7	4.9	3.7	0.6
90	4.8	4.4	3.3	0.5
100	4.3	4.0	3.0	0.4
110	4.2	3.6	2.7	0.4
120	4.3	3.3	2.5	0.3
130	4.7	3.0	2.3	0.3

140	5.2	2.8	2.1	0.3
150	5.8	2.6	2.0	0.3
160	6.5	2.5	1.9	0.2
170	7.3	2.3	1.8	0.2
180	8.1	2.2	1.6	0.2
190	9.1	2.1	1.6	0.2
200	10.0	2.0	1.5	0.2
210	11.0	1.9	1.4	0.2
220	12.1	1.8	1.3	0.2
Listed values may differ slightly		*** Without front cap**		**Unit = mm**

Specifiche

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
Optics	
Magnification	20-220x
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 10.9 and up
Included 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-20 (optional)
Housing	
Housing material	Metal housing
Dimensions	11.5cm (L) x 3.4cm (D)
Weight	97gr
Cable length	1.8m
Features	
Special feature	Flexible LED Control (FLC)
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-extension cap, N3C-L- Long cap, N3C-S- Side light cap
Warranty information	2 years EuNoropean warranty
Regulatory approval	CE, FCC, ROHS
Price range	€900,00 - €1100,00