AM73115MZT

Marca:
Codice del prodotto: AM73115MZT

Short Description

5 Megapixel Edge sensor
USB 3.0, maximum 45fps
10-220x magnification
Polarizer
Flexible LED Control (FLC)

Descrizione

With the use of the USB 3.0 connection the AM73115MZT is able to capture smooth and high-quality images. The Edge series optics and the special feature Flexible LED Control (FLC) makes the AM73115MZT the best choice for the more demanding applications.

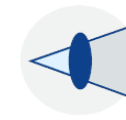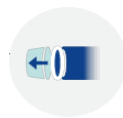|		
USB 3.0	High speed	Adjustable ~10-220x
Measurement functionality	Magnification lock	5 megapixel 2592 x 1944
8 White LEDs switchable	Flexible LED control FLC	Polarizer anti-reflection

Standard working distance

Metal housing

Exchangeable cap

It offers superb uncompressed image quality and color reproduction in a robust, compact and appealing metal housing. The AM73115MZT is part of the high speed range due to its USB 3.0 connection with a maximum speed of 45fps at 1280x960 and 15fps at 2560x1920. With its wide magnification range from 20 – 220x, it is suitable for a broad 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 AM73115MZT are:

• 5 Megapixel Edge sensor
• USB 3.0 with up to 45fps
• 10-220x magnification
• Integrated polarizer
• Aluminum housing
• Flexible LED Control (FLC)
• Extensive measurement functions
• Calibration
• Exchangeable front caps
• And more...

Optical Data Table

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
10	142.4	37.8	28.3	19.7
20	59.5	19.5	14.6	5.4
30	32.9	13.0	9.7	2.6
40	20.2	9.8	7.3	1.6
50	13.2	7.8	5.8	1.1
60	9.0	6.5	4.8	0.8
70	6.4	5.6	4.2	0.6
80	4.8	4.9	3.6	0.5
90	3.9	4.3	3.2	0.42
100	3.5	3.9	2.9	0.36
110	3.3	3.6	2.7	0.31

120	3.5	3.3	2.4	0.27
130	3.8	3.0	2.2	0.24
140	4.3	2.8	2.1	0.22
150	4.9	2.6	1.9	0.2
160	5.6	2.4	1.8	0.18
170	6.4	2.3	1.7	0.17
180	7.3	2.2	1.6	0.15
190	8.2	2.1	1.5	0.14
200	9.2	2.0	1.5	0.13
210	10.2	1.9	1.4	0.13
220	11.3	1.8	1.3	0.12
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	10x ~ 220x
Macro zoom	No
Working distance	Standard
Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	5 Megapixel (2560x1920)
Maximum frame rate	45fps (max 20fps video recording)
Compatibility	
Interface	USB 3.0, Cable included**
Operating system	Windows7, 8, 10 & 11, MacOS 10.9 and up
Software	DinoCapture 2.0 (Windows), DinoXcope (Mac OS)
Supported image formats	BMP, GIF, PNG, JPG, TIF, RAS, PNM, TGA,

(Windows)	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	No
Housing	
Housing material	Metal housing
Magnification lock	Yes
Dimensions	11.9cm (L) x 3.3cm (H)
Weight	110g
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, user manual, quick guide, calibration target, front cover 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
Note	**Dino-Lite USB 3.0 models use a custom USB-A and USB-C cable that is specifically designed for Dino-Lite

Product Gallery