

## AM73115MZT



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.



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, 20-220x magnification, integrated polarizer, aluminum housing, Flexible LED Control (FLC), extensive measurement functions, calibration, exchangeable front caps and more.

### ADDITIONAL INFO

#### DETAILS

**Dino-Lite range:** Dino-Lite High Speed

#### 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:** 10-220x  
**Macro zoom:** No  
**Working distance:** Standard  
**Lens type:** Glass with anti-reflection coating

#### SENSOR

**Sensor type:** CMOS  
**Resolution:** 5 Megapixel (2592x1944)  
**Maximum frame rate:** 45 fps

#### COMPATIBILITY

**Interface:** USB 3.0, Cable included\*\*  
**Operating system:** Windows 7, 8 & 10, 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
Imaging standards:	DirectShow, UVC

#### 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
Warranty information:	2 years European warranty
Regulatory approval:	CE, FCC, ROHS

Working distance/ field of view/ depth of field:

MAGNIFICATION RATE	WORKING DISTANCE*	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
10	136.0	37.8	28.3	-
20	60.2	19.5	14.6	2.5
30	33.5	13.0	9.7	1.8
40	20.9	9.8	7.3	1.5
50	13.9	7.8	5.8	-
60	9.7	6.5	4.8	-
70	7.1	5.6	4.2	1
80	5.5	4.9	3.6	-
90	4.5	4.3	3.2	-
100	4.1	3.9	2.9	-
110	4	3.6	2.7	-
120	4.1	3.3	2.4	-
130	4.5	3.0	2.2	-
140	5	2.8	2.1	-
150	5.6	2.6	1.9	-
160	6.3	2.4	1.8	-
170	7.1	2.3	1.7	-
180	8	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

\*\*Dino-Lite USB 3.0 models use a custom USB cable that is specifically designed for Dino-Lite