

AM73115MTF



Brand: Dino-Lite

Product Code: AM73115MTF

Short Description

5 Megapixel Edge sensor

USB 3.0, maximum 45fps

10-70x magnification

Extra Long Working Dist (11,5~48cm)

Flexible LED Control (FLC)

Description

The Dino-Lite AM73115MTF is a special model within the High Speed range with USB 3.0 connection. It offers superb uncompressed image quality and color reproduction in a robust, compact and appealing metal housing. The AM73115MTF ("F" stands for Far) offers an extra-large working distance.

USB 3.0 adds a new transfer mode called "SuperSpeed" (SS) capable of transferring data up to 5Gbits/s (625MB/s). Dino-Lite models with USB 3.0 offer an image transfer speed of up to 45FPS at a 1280 x 960 resolution. SuperSpeed allows you to take advantage of the full power of the Dino-Lite Edge Series optics including improved colour accuracy and image quality.



USB 3.0



High speed



Continuous
~10x-70x



Magnification
lock



5 megapixel
2592 x 1944



8 White LEDs
switchable



Long working
distance



Metal
housing



Measurement
functionality

The Dino-Lite AM73115MTF is a USB 3.0 model with a magnification range of 10x - 70x and an Extra Long Working Distance of up to 48 cm. At a 70x magnification the distance to the object can reach an unparalleled 108 mm. This model is member of the Dino-Lite Edge family with the latest, cutting-edge optics, an unmatched 5 megapixel sensor and several special features such as Flexible LED Control (FLC), full metal body, extensive measurement functions, calibration, exchangeable front caps and more.

The AM73115MTF is a special product within the Dino-Lite USB 3.0 range. For professionals who are looking for a large working distance and high speed data transfer combined with the best available image quality, this is the model of choice.

Optical Data Table

MAGNIFICATION RATE	WORKING DISTANCE	FIELD OF VIEW(X)	FIELD OF VIEW(Y)	DEPTH OF FIELD
Listed values may differ slightly				Unit = mm
10	503	39.1	31.3	31.49
20	271	19.5	15.6	8.67
30	196	13.0	10.4	4.20
40	159	9.8	7.8	2.56
50	135	7.8	6.3	1.76
60	120	6.5	5.2	1.31
70	108	5.6	4.5	1.03

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 optional)

Emission filter	No
Polarizer	No
Optics	
Magnification	10-70x
Macro zoom	No
Working distance	Long
Lens type	Glass with anti-reflection coating
Sensor	
Sensor type	CMOS
Resolution	5 Megapixel (2592x1944)
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
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	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), Extra Long Working Distance
Measurement	Yes
Calibration	Yes
Microtouch sensor	Yes
ESD safe	Yes
Information	
Package contents	Microscope, carry pouch, software CD, user manual, quick guide, calibration target

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