

Handheld Digital Microscope (USB)

AM73115MTF

Designed to offer extra-long working distance, the Dino-Lite Edge 3.0 AM73115MTF offers a minimum viewing distance of 115mm at maximum 70X magnification. With USB 3.0 interface, it delivers superior fluid and uncompressed image with 15fps at 5MP or 45fps at 1.3MP resolutions.

Overview



Extra-long Working Distance

With Edge optics quality, the ELWD lens reveals minute details with minimum 115mm working distance at maximum magnification of 70X, making it well-suited for observation requiring ample space between microscope and object.



High-Speed transmission

Through the use of USB 3.0 interface, the device is capable to obtain smooth and high-quality image at up to 15 FPS at 2560x1920 or 45 FPS at 1280x960.



High optical resolution

The superior optics adopted in the Edge series reveals the finest details, answering the needs of the most demanding microscopy applications.



5.0 Megapixels

The advanced CMOS image sensor allows to transmit sharp and crisp image with resolution up to 2560x1920 without compression.



Flexible LED Control (FLC)

Tasking with software, the FLC maximizes illumination flexibility by offering independent on/off control to the four LED quadrants in addition to the 6-levels intensity adjustment capability.



Scroll Lock

The scroll lock ensures the focus knob staying at the desired focus or magnification position without worry of unintentional movement.



Robust housing

The metal housing made of aluminum alloy offers compelling advantages of protection and endurance.

Interchangeable front caps



N3C-O / Open Cap

This is the standard cap for normal usage.

Information about working distance and field of view

M	WD	FOV (x)	FOV (y)	DOF
10	480	39.0	31.2	10.6
20	263	19.5	15.6	4.85
30	186	13.0	10.4	1.85
40	152	9.8	7.8	1.24
50	132	7.8	6.2	0.93
60	121	6.5	5.2	0.73
70	115	5.6	4.5	0.53

M = magnification rate WD = working distance (without front cap) FOV = field of view DOF = depth of field Unit = mm

Specification

Model	AM73115MTF Dino-Lite Edge 3.0
Interface	USB 3.0
Product Resolution	5M pixels (2560x1920)
Magnification	10x~70x
Frame Rate	15fps at 5MP, YUY2 (USB 3.0) 45fps at 1.3MP, YUY2 (USB 3.0)
Lighting	15fps at 1.3MP, YUY2 (USB 2.0) 8 white LEDs
Microtouch	Yes
Operating System Supported	Windows 10, 8, 7 Mac OS 10.9 or later

System Requirements

- Intel® Core™ i5 3.2GHz
- 20GB available HD space
- 8GB available RAM or more
- 2GB video card or more
- CD-ROM drive for installation
- USB 3.0 with intel chipset

Calibration Function	Yes
Measurement Function	Yes
Unit Dimension	11.9cm (H) x 3.3cm (D)
Unit Weight	110g