

AM4115T-DFRW



The AM4115T-DFRW Dino-Lite Edge series digital microscope features superior optics, a wide magnification range (20x~220x), and 620 nm (orange) excitation light with a 650nm emission filter for observing deep red fluorescence in subject samples.

Overview



Designed for deep red fluorescence

With its innovative excitation and emission filter design, this model detects deep red fluorescence above 650nm, as excited by its 620nm (orange) LED lights.



High-resolution imaging

This Dino-Lite Edge series microscope maximizes observed details with state-of-the-art lens design for clearer, sharper images. This model supports high-resolution SXGA (1280x1024) image output for superior image quality.



Wide range of magnification

The magnification range is adjustable from 20x to 220x, which allows both macro and micro observations of the same specimen in the same session.



MicroTouch shutter button

Take picture-perfect photos quickly and conveniently with the MicroTouch shutter button. This small, round, touch-sensitive button responds to the lightest touch to avoid blurry photos caused by excessive movement of the microscope. The MicroTouch shutter button can also be configured to control video recording, trigger barcode scanning, or switch on/off the LED lights.



USB 2.0 Interface

It only requires USB 2.0 to power the device so it can be connected or travel with a compatible PC/ MAC for analysis and documentation with its bundled software.

Interchangeable Front Caps



N3C-OB / Open Cap

This is the standard cap for Fluorescence model usage.

Information about working distance and field of view

M	WD	FOV (x)	FOV (y)	DOF
20	60.2	19.5	15.6	1.52
30	33.5	13	10.4	
40	20.9	9.8	7.8	
50	13.9	7.8	6.3	
60	9.7	6.5	5.2	
70	7.1	5.6	4.5	0.3
80	5.5	4.9	3.9	
90	4.5	4.3	3.5	
100	4.1	3.9	3.1	
110	4	3.6	2.8	
120	4.1	3.3	2.6	
130	4.5	3	2.4	
140	5	2.8	2.2	
150	5.6	2.6	2.1	
160	6.3	2.4	2	
170	7.1	2.3	1.8	
180	8	2.2	1.7	
190	8.9	2.1	1.6	
200	9.9	2	1.6	0.04
210	10.9	1.9	1.5	
220	11.9	1.8	1.4	

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

Specification

Model : AM4115T-DFRW Dino-Lite Edge

Interface : USB 2.0

Product Resolution : 1.3M pixels (SXGA)

Magnification Rate : 20x~220x

Sensor : Color CMOS

Frame Rate : Up to 30fps

-Save Formats:

+Image:

DinoCapture2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM

DinoXcope: PNG, JPEG

+Movie:

DinoCapture2.0: WMV, FLV, SWF

DinoXcope: MOV

Microtouch : Touch sensitive trigger on the microscope for taking pictures

Measurement Function : Yes

Calibration Function : Yes

Operating System Supported : Windows 10, 8, 7, Vista, XP;

Mac OS 10.4 or later

Unit Weight : 100g

Unit Dimension : 10.5 cm (H) x 3.2 cm (D)

Package Dimensions : 16cm (L) x 16cm (W) x 6cm (H)

