

## Model : AM4113T-YFGW Dino-Lite Premier

- 1.3MP / Resolution 1280x 1024.
- High quality image
- 10X~50X, 220X Variable Magnification
- Built-in measurement feature with calibration
- MicroTouch trigger button (for Windows Users only)
- High Speed USB 2.0 connection
- Built-in LEDs: 4 white and 4 near UV (switchable with included software)
- UVC Compatible



Designed for observing orange and red fluorescence



Measurement and Calibration Capabilities



**1.3 megapixel sensor**  
Crystal Clear Images  
1.3 Megapixels



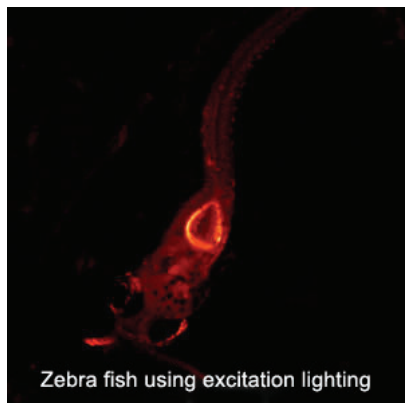
Scroll Lock

Product Description			
Product Number	AM4113T-YFGW	Magnification	10X ~ 50 X, 200 X
Warranty Period	1	Pixels	1.3M
Condition	New	Resolution	1280x1024
Packaging	Retail Box	Data Output	USB 2.0
Sensor	Enhanced Color CMOS	Video frame Rate	up to 30 frame-per-second
LED Lighting	7 Green LED with 570nm emission filter and 1 White	Save File format	BMP, JPG, AVI
Measurement Function	Yes	Calibration Function	Yes
Body length	4 inches / 10.2 cm	Body Diameter	1.26 inches / 3.2cm max.
Cable length	6 feet / 180 cm	Unit	90(g)

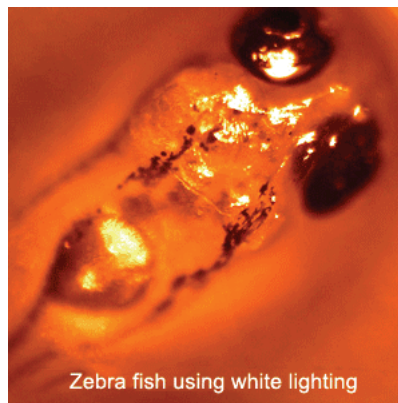
### Product Applications

The Dino-Lite Premier AM4113T-YFGW digital microscope is a unique handheld portable microscope that is designed for observation of orange fluorescence such as OFP (orange fluorescence protein) and red fluorescence such as RFP (red fluorescence protein). It utilizes high intensity green LED's for its excitation light source with a 570nm emission filter. This makes it applicable for research such as visualizing small blood or lymphatic vessels of an organ in microangiography analysis.

The image quality obtained with the Dino-Lite is comparable or superior to some traditional fluorescence microscope, but much less to obtain and maintain. It is equipped with a 1.3 megapixel sensor and utilizes a rotatable magnification dial that allows magnification up to 200X depending of working distance, a scroll lock feature for assuring desired set magnification/ focus distance, and a cable strain relief (SR) that holds the Dino-Lite and its USB Cable together for resistance from pulls and twists. There is also a white light switchable by included software for aid in focus and location. The Dino-Lite Premier AM4113T-YFGW provides a valuable price per performance tool for researchers or users interested in observing orange to red fluorescent specimens.



Zebra fish using excitation lighting



Zebra fish using white lighting