

# AM4113T-FV2W

**Brand:**

**Product Code:** AM4113T-FV2W



## Short Description

1.3 Megapixel resolution

~375nm + white LEDs

10-70x & 200x magnification

## Description

The VW series has two types of LED lights that are switchable between white and UV light. This model has a filter to filter out the returning UV light so that an image with natural colors can be obtained.



USB 2.0



Measurement  
functionality



Adjustable  
~10-70x & 200x



Magnification  
lock



1.3 megapixel  
1280 x 1024



UV LEDs



Switchable  
UV/white LEDs



Standard working  
distance

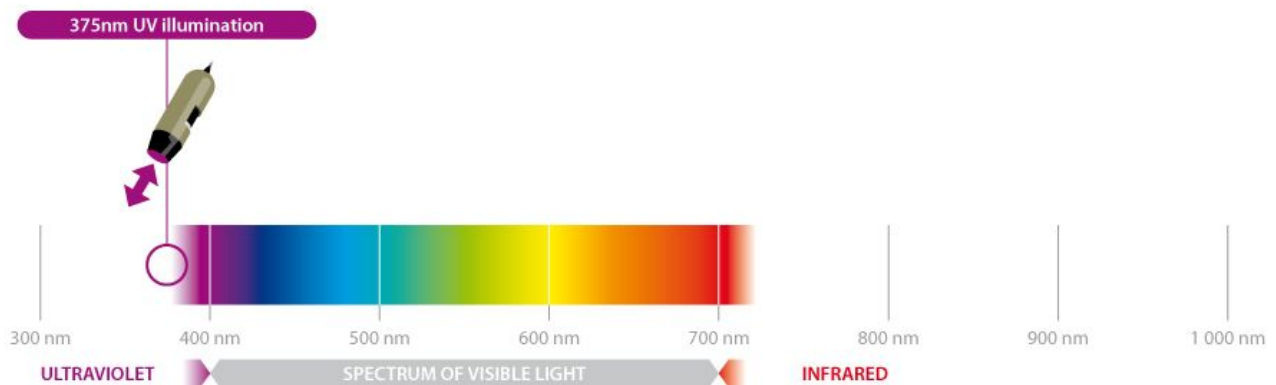
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» *Also available with ~ 390-400nm LEDs (model AM4113T-FVW)*

## Working distance/field of view/depth of field

| MAGNIFICATION RATE                       | WORKING DISTANCE | FIELD OF VIEW(X) | FIELD OF VIEW(Y) | DEPTH OF FIELD   |
|--|------------------|------------------|------------------|------------------|
| <b>Listed values may differ slightly</b> |                  |                  |                  | <b>Unit = mm</b> |
| 20                                       | 48.7             | 19.6             | 15.6             | 3.6              |
| 30                                       | 21.7             | 13.0             | 10.4             | 1.9              |
| 40                                       | 9.0              | 9.8              | 7.8              | -                |
| 50                                       | 1.9              | 7.8              | 6.3              | 0.88             |
| 60                                       | -2.3             | 6.5              | 5.2              | -                |
| 220                                      | -0.1             | 1.8              | 1.4              | 0.2              |
| 230                                      | 1.0              | 1.7              | 1.4              | -                |
| 240                                      | 2.1              | 1.6              | 1.3              | -                |

## Special Light



## Specification

| Lighting               |                                     |
|------------------------|-------------------------------------|
| Light/ LED type        | ~375 nm UV + white                  |
| Number of LEDs         | 4+4                                 |
| LED on/off switchable: | Yes                                 |
| Infrared filter        | IR cut-filter >650 nm               |
| Diffuser available     | No                                  |
| Emission filter        | Yes, Emission barrier filter 375 nm |
| Polarizer              | No                                  |
| Optics                 |                                     |
| Magnification          | 20x ~ 50x, 200x                     |
| Macro zoom             | No                                  |
| Working distance       | Standard                            |
| Lens type              | Glass with anti-reflection coating  |
| Sensor                 |                                     |

|                                   |   |
|-----------------------------------|---|
| Sensor type                       | CMOS  |
| Resolution                        | 1.3 Megapixel (1280x1024)   |
| Maximum frame rate                | 30 fps  |
| <b>Compatibility</b>              |   |
| Interface                         | USB 2.0   |
| Operating system                  | Windows 7, 8, 10 & 11, MacOS 10.9 and up                              |
| Software                          | DinoCapture 2.0 (Windows), DinoXscope (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   |
| Wifi                              | Wireless-ready, requires the WF-10 WiFi streamer (optional)           |
| <b>Housing</b>                    |   |
| Housing material                  | Composite/ plastic housing  |
| Magnification lock                | Yes   |
| Dimensions                        | 10.5cm (L) x 3.2cm (D)  |
| Weight                            | 105g  |
| Cable length                      | 1.8m  |
| <b>Features</b>                   |   |
| Special feature                   | No  |
| Measurement                       | Yes   |
| Calibration                       | Yes   |
| Microtouch sensor                 | Yes   |
| ESD safe                          | No  |
| <b>Information</b>                |   |
| Package contents                  | Microscope, carry pouch, software CD, calibration target, user manual |
| Warranty information              | 2 years European warranty   |
| Regulatory approval               | CE, FCC, ROHS   |
| Price range                       | €400,00 - €600,00   |

## Product Gallery

