

# AM4113TL-FVW

**Product Code:** AM4113TL-FVW



## Short Description

1.3 Megapixel resolution

395nm + white LEDs

10-90x magnification

Long working distance

## Description

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



USB 2.0



Measurement  
functionality



Continuous  
~10-90x



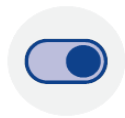
Magnification  
lock



1,3 Megapixels  
1280 x 1024



UV-LEDs  
395nm



Switchable  
UV/white LEDs



Long working  
distance

## 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                                       | 151.0            | 19.6             | 15.6             | 6                |
| 30                                       | 101.0            | 13.0             | 10.4             | 3.4              |
| 40                                       | 77.2             | 9.8              | 7.8              | 2.2              |
| 50                                       | 64.1             | 7.8              | 6.3              | 1.65             |
| 60                                       | 56.2             | 6.5              | 5.2              | -                |
| 70                                       | 51.3             | 5.6              | 4.5              | -                |
| 80                                       | 48.3             | 4.9              | 3.9              | -                |
| 90                                       | 48.6             | 4.3              | 3.5              | 0.8              |

## Special Light



## Specification

| Lighting               |                                     |
|------------------------|-------------------------------------|
| Light/ LED type        | 395 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 400 nm |
| Polarizer              | No                                  |
| Optics                 |                                     |
| Magnification          | 10x ~ 90x                           |
| Macro zoom             | No                                  |
| Working distance       | Long                                |
| Lens type              | Glass with anti-reflection coating  |
| Sensor                 |                                     |

|                                   |                                                                                                                                                                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor type                       | CMOS                                                                                                                                                                                                                                                            |
| Resolution                        | 1.3 Megapixel (1280x1024)                                                                                                                                                                                                                                       |
| Maximum frame rate                | 30 fps                                                                                                                                                                                                                                                          |
| Compatibility                     |                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                 |
| Housing                           |                                                                                                                                                                                                                                                                 |
| Housing material                  | Composite/ plastic housing                                                                                                                                                                                                                                      |
| Magnification lock                | Yes                                                                                                                                                                                                                                                             |
| Dimensions                        | 10.5cm (L) x 3.2cm (D)                                                                                                                                                                                                                                          |
| Weight                            | 105g                                                                                                                                                                                                                                                            |
| Cable length                      | 1.8m                                                                                                                                                                                                                                                            |
| Features                          |                                                                                                                                                                                                                                                                 |
| Special feature                   | No                                                                                                                                                                                                                                                              |
| Measurement                       | Yes                                                                                                                                                                                                                                                             |
| Calibration                       | Yes                                                                                                                                                                                                                                                             |
| Microtouch sensor                 | Yes                                                                                                                                                                                                                                                             |
| ESD safe                          | No                                                                                                                                                                                                                                                              |
| Information                       |                                                                                                                                                                                                                                                                 |
| Package contents                  | Microscope, carry pouch, software CD, calibration target, user manual, Microscope, carry pouch, software CD, calibration target, user manual, N3C-C (Close Cap) N3C-EB (Extended Open Black Cap) N3C-L (Long Cap) N3C-OB (Black Open Cap) N3C-S (Sidelight Cap) |
| Warranty information              | 2 years European warranty                                                                                                                                                                                                                                       |
| Regulatory approval               | CE, FCC, ROHS                                                                                                                                                                                                                                                   |
| Price range                       | €400,00 - €600,00                                                                                                                                                                                                                                               |