

## DINOLITE AM4113TL - DIGITAL MICROSCOPE LWD IR (10-90X, 1.3MPX)



SKU: 149893E



### DINO-LITE AM4113TL DIGITAL MICROSCOPE 10-90X

**AM4113TL - Dino-Lite hand-held USB digital microscope with 1.3mpx sensor (10-90x)**, equipped with built-in **LED lighting** and **IR filter**.

Long Working Distance (LWD) series: **up to 15cm at 20x** magnification, approx. **4cm at 90x** magnification. Ideal for tasks where an extra distance to the object and a larger field of view are required, such as for example repair, rework and assembly.

**Includes the use of DinoCapture / DinoXcope software** for Windows / Mac operating systems (downloadable online).

*Note: This video shows a general presentation of all Dino-Lite microscopes, and not specifically the features of the AM4113TL model*

### Specifications

- Optics  
**Magnification range: 10 - 90 x** - Continuously adjustable  
 Lens type: Glass with anti-reflection coating

- Sensor  
Sensor type: CMOS  
**Camera resolution: 1.3 mpx** (1280 x 1024 pixel)  
Frame rate: up to 30 fps
- Supported image formats:
  - DinoCapture 2.0: BMP, GIF, PNG, MNG, TIF, TGA, PCX, WBMP, JP2, JPC, JPG, PGX, RAS, PNM
  - DinoXcope: PNG, JPEG
- Supported video formats:
  - DinoCapture 2.0: WMV, FLV, SWF
  - DinoXcope: MOV
- Lighting: 8 white LEDs
- **IR filter: IR cut-filter (>650 nm)**
- Microtouch sensor: Yes
- **Measuring and calibration functions: Yes**
- Connection cable: USB 2.0 - Length: 1.8 m
- Housing: Composite (standard version) - Metallized version available on request
- ESD safe: No
- RoHS compliant: Yes
- Dimensions: **OAL 115 mm**, Diameter 32 mm
- Weight: 105 g
- EAN: **4712805477920**.

#### Optical data

| Magnification | Working distance* | FOV* (x) | FOV* (y) | Depth of field* |
|---------------|-------------------|----------|----------|-----------------|
| 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            | 46.6              | 4.3      | 3.5      | 0.8             |

\*

Unit: mm.

Listed values may differ slightly.

**Scope of supply:** Dino-Lite AM4113TL microscope, Calibration target, USB connecting cable (1.8 m), User manual.