



*Digital video microscope, 400x,
achromatic objectives*

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|---|----------------------------|-----------------------|
| Observation Method - Transmitted Light | Brightfield | Yes |
| | Simple polarized light | As optional |
| Main Body | Type | Upright |
| | Construction material | Aluminum die-cast |
| | Trasportation handle | Yes |
| Head | Type | Monocular |
| | Inclination | 45° |
| | 360° rotating | Yes |
| | Fixing screw for eyepieces | Yes |
| | Tube inner diameter (mm) | 23 |
| Eyepieces | Field number (mm) | 18 |
| | Magnification | 10x |
| | Pointer | As optional |
| | Micrometric scale | As optional |
| Nosepiece | Positions | Quadruple |
| | Reversed | Yes |
| | Bi-directional | Yes |
| | Rotation on ball bearings | Yes |
| | Objective thread | RMS |
| Objectives | Optical system | 160 |
| | Anti-fungus treatment | Yes |
| | Parfocal distance (mm) | 45 |
| | Standard magnifications | 40x-400x |
| | Type | Achromatic |
| | | 4x/0.10, W.D. 10.6 mm |
| | | 10x/0.25, W.D. 7.0 mm |
| | | 40x/0.65, W.D. 0.5 mm |

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| Stage | Type | Fixed |
| | Dimensions (mm) | 120x110 |
| | Moving mechanism | As optional |
| | Material | Anti-scratch painting |
| | Specimen clips | Yes |
| | Slide number | 1 |

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| Condenser - Single Position | Type | Fixed |
| | Numerical aperture (N.A.) | 0.65 |
| | Diaphragms | Iris |

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| Focusing System | Type | Coaxial coarse & fine |
| | Coarse total travel (mm) | 23 |
| | Fine total travel (per single rotation) (mm) | 1,2 |
| | Fine graduations | 100 |
| | Fine resolution (µm) | 12 |
| | Upper stop to prevent contact | Yes |

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|--|-------------------------|----------|
| | Type | LED |
| | Light source power (W) | 1 |
| | Brightness control | Manual |
| | Lifetime (hours) | > 65,000 |
| | Temperature (K) | 6,300 |
| | Max. required power (W) | 1,5 |

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| Power Supply for Transmitted Illumination | Type | External |
| | Microscope connector | Jack, 2.1 mm |
| | Power plug type | Multi-plug (EU, UK, US) |
| | Input voltage | 100/240 Vac, 50/60 Hz |
| | Output voltage | 5 Vdc 500 mA |
| | Rechargeable batteries | Yes |
| | Battery type | Ni-MH (3x, AAA size) |
| | Working time of batteries (hours) | up to 8 |
| Charging time of batteries (hours) | 8 | |

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| Accessories Included | Dust cover | Yes |
| | User Manual | Digital version (downloadable) |

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| Additional Information | | Plane concave mirror (as optional). |
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| Product Dimensions | Height (mm) | 380 |
| | Width (mm) | 135 |
| | Depth (mm) | 235 |

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| Product Weight | (kg) | 2,6 |
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DIGITAL HEAD WITH MONITOR

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| General specifications | SD Card Still image capture | Yes |
| | SD Card Video recording | Yes |
| | Dimensions (mm) | 180 x 150 x 90 |
| | Weight (kg) | 0.360 |

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|---------------|---|--------------|
| Sensor | Camera resolution (n° of pixels: W x H) | 1920x1080 |
| | Camera resolution (MP) | 2 |
| | Frame rate full resolution (fps) | 30@1920x1080 |
| | Color / Monochrome | Color |

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|--|------------------------|-----------------|
| | Sensor Size | 1/2.8" |
| | Sensor Technology | CMOS |
| | Sensor Type | MICRON CMOS |
| | Image Format | 16/9 |
| | Pixel Size (µm) | 2.9x2.9 |
| | Acquisition technology | Rolling shutter |
| | Exposure time | 0- 33333 µs |
| | IR filter | Yes |
| | IR filter range (nm) | 680 |

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|----------------|--------------------|----------|
| Monitor | Display size | 7" |
| | Display resolution | 1024x600 |

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|----------------------------|-----------------|------------------------|
| System Power Supply | Type | External |
| | Connector | Jack, 2.1 mm |
| | Power plug type | Multiplug (EU, UK, US) |
| | Input voltage | 100/240 Vac, 50/60Hz |
| | Output voltage | 12 Vdc, 1000 mA |
| | LED indicator | Yes |

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|---------------------------|-----------|----------|
| Available Software | Camera SW | S-Viewer |
|---------------------------|-----------|----------|

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| System accessories | SD card | 4GB |
| | USB SD card reader | Yes |