



*Digital video microscope, 600x,
HC 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 |
| Head | Type | Monocular |
| | Inclination | 30° |
| | 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 |
| | Diameter of micrometer glass (mm) | 20 |
| | High eyepoint (for glass wearers) | Yes |
| Nosepiece | Positions | Quadruple |
| | 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-600x |
| | Type | HC |
| | | 4x/0.10, W.D. 18 mm |
| | | 10x/0.25, W.D. 7 mm |
| | | 40x/0.65, W.D. 0.53 mm 60x/0.85, W.D. 0.45 mm |
| Stage | Type | Double layer |
| | Dimensions (mm) | 125x116 |
| | Moving mechanism | Rack and pinion |

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| | Moving range (mm) | 70x30 |
| | Material | Anti-scratch painting |
| | Specimen holder | Yes |
| | Slide number | 1 |
| | X-Y movement | Yes |
| | X-Y Vernier scale | Yes |
| | Vernier scale accuracy (mm) | 0.1 |
| Condenser - Single Position | Type | Abbe |
| | Numerical aperture (N.A.) | 1.25 |
| | Diaphragm | Iris |
| | Centrable | Pre-centered |
| | Focusable | By rotation |
| Focusing System | Type | Coaxial coarse & fine |
| | Focus modes | Coarse & fine |
| | Coarse total travel (mm) | 16 |
| | Fine graduations | 100 |
| | Fine total travel (per single rotation) (mm) | 0,4 |
| | Fine resolution (μm) | 4 |
| | Upper stop to prevent contact | Yes |
| Adjustable tension | Yes | |
| Transmitted Illumination | Type | X-LED |
| | X-LED type | X-LED1 |
| | Light source power (W) | 1 |
| | Brightness control | Manual |
| | Lifetime (hours) | > 65,000 |
| | Temperature (K) | 6,300 |
| | Max. required power (W) | 1,5 |
| 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 2,5A |
| Accessories Included | Dust cover | Yes |
| | Tension adjustment tool | Yes |
| | User Manual | Digital version (downloadable) |
| Additional Information | | Mirror for transmitted light (as optional) |
| Product Dimensions | Height (mm) | 410 |
| | Width (mm) | 170 |
| | Depth (mm) | 320 |
| Product Weight | (kg) | 4 |
| Camera 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) | 1844x1080 |
| | Color / Monochrome | Color |
| | Sensor Size | 1/2.8" |
| | Sensor Technology | CMOS |
| | Sensor Type | MICRON CMOS |
| | Image Format | 16/9 |
| | Pixel Size (mm) | 2.9x2.9 |
| | Acquisition technology | Rolling shutter |
| | Exposure time | 0-33333ms |
| | IR filter | Yes |
| | IR filter range (nm) | 680 |

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| USB | Camera resolution (MP) | 2 |
| | Frame rate full resolution (fps) | 30@1844x1080 |

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| Camera 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 | 5 Vdc 500mA |
| | LED indicator | Yes |

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| Available Software | Camera SW | S-Viewer |
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| HDMI Monitor | Display size | 7" |
| | Display resolution | 1024x600 |

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

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| General | Built-in SW Specifications | |
| | Multi-language menu | Yes |
| | Available languages | |
| | Chinese | Yes |
| | English | Yes |
| | Russian | Yes |

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| Image Acquisition | Continuous automatic exposure | Yes |
| | Manual exposure | Yes |
| | Color acquisition | Yes |
| | Gray-scale acquisition | Yes |
| | Manual Time-lapse | Yes |
| | White Balance | Auto/Manual |
| | Image enhancement | Yes |
| | Horizontal Flip | Yes |
| | Verical Flip | Yes |

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| Image Processing | Grids | Yes |
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| Measurements | Still image measurement | Yes |
| | Select measurement unit | Yes |
| | Available measurements | |
| | Line | Yes |