

*1080p HDMI C-mount Microscope Camera*

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| **General specifications** | SD Card Still image capture | Yes |
| | SD Card Video recording | Yes |
| | HDMI output | Yes |
| | C-Mount | Yes |
| | Housing | Aluminium |
| | Dimensions (mm) | 50 x 50 x 55 |
| | Weight (kg) | 0.2 |

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| **Sensor** | Camera resolution (n° of pixels: W x H) | 1920x1080 |
| | Color / Monochrome | Color |
| | Sensor Size | 1/2.8" |
| | Sensor Technology | CMOS |
| | Sensor Type | SONY STARVIS |
| | Image Format | 16/9 |
| | Pixel Size (μm) | 2.9x2.9 |
| | Acquisition technology | Rolling shutter |
| | G sensitivity | 1300mV at 1/30s |
| | Dark Signal | 0.15mV at 1/30s |
| | ADC conversion | 8 Bit |
| | Color Depth | 1, 4, 8, 24 Bit |
| | Exposure time | 0.01 msec - 1 sec |
| | Binning | 1x1 |
| | IR filter | Yes |
| | IR filter range (nm)** | 380-650 (IR CUT) |

**** If used for red emission fluorescence wavelengths above 650nm please order it by specifying with "AR GLASS"**

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| **HDMI** | HDMI resolution (MP) | 2 |
| | Frame rate full resolution (fps) | 60@1920x1080 |
| | Live HDMI measurement | Yes |
| | Exposure | Auto / Manual |
| | White Balance | Auto / Manual / ROI |

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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 | 12 Vdc, 1500 mA |
| | LED indicator | Yes |

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| **Camera accessories** | Calibration slide | Yes |
| | HDMI cable (1.5m) | Yes |
| | Wireless Mouse | Yes |

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| **Environment** | Working Temperature | -10°C up to +50°C |
| | Storage Temperature | -20°C up to +60°C |
| | Relative Humidity | 30% to 80% |
| | Storage Humidity | 10% to 60% |

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| **Available Software** | Camera SW | HDMILITE (built-in) |

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| | **Built-in SW Specifications** | |
| **General** | Archiving | Yes |
| | Multi-language menu | Yes |
| | Available languages | |
| | Chinese | Yes |
| | English | Yes |
| | French | Yes |
| | German | Yes |
| | Italian | Yes |
| | Japanese | Yes |
| | Korean | Yes |
| | Russian | Yes |
| | Thai | Yes |

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| **Image Acquisition** | Continuous automatic exposure | Yes |
| | Manual exposure | Yes |
| | Color acquisition | Yes |
| | Gray-scale acquisition | Yes |
| | White Balance | Auto/Manual/ROI |
| | Image enhancement | Yes |
| | Zoom in | Yes |
| | Zoom out | Yes |
| | Browse of Images and Video | Yes |
| | Freeze image | Yes |
| | Horizontal Flip | Yes |
| | Verical Flip | Yes |

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| **Image Processing** | Text Overlay | Yes |
| | Ruler Overlay | Yes |
| | Arrow Overlay | Yes |
| | Measurement Overlay | Yes |
| | Grids | Yes |

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| **Measurements** | Live measurement | Yes |
| | Still image measurement | Yes |
| | Select measurement unit | Yes |
| | Available measurements | |
| | Point | Yes |
| | Line | Yes |
| | 3 Points Line | Yes |

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| | 3 Points Vertical Line | Yes |
| | Angle | Yes |
| | 4 Points Angle | Yes |
| | Parallel lines | Yes |
| | Rectangle | Yes |
| | 3 Points Rectangle | Yes |
| | Ellipse | Yes |
| | 5 Points Ellipse | Yes |
| | Circle (Center + Radius) | Yes |
| | Circle (3 Points) | Yes |
| | 2 Circle (Center + Radius) | Yes |
| | 2 Circle (3 Points) | Yes |
| | Annulus | Yes |
| | Annulus (3 Points) | Yes |
| | Curve | Yes |
| | Arc | Yes |
| | Polygon | Yes |
| | Export to Excel | Yes |

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