



### 1080p Full HD+WiFi C-mount Microscope Camera

|                               |                             |              |
|-------------------------------|-----------------------------|--------------|
| <b>General specifications</b> | SD Card Still image capture | Yes          |
|                               | SD Card Video recording     | Yes          |
|                               | HDMI output                 | Yes          |
|                               | WiFi output                 | Yes          |
|                               | C-Mount                     | Yes          |
|                               | Dimensions (mm)             | 65 x 78 x 88 |
|                               | Weight (kg)                 | 0.5          |

|                      |   |                      |
|----------------------|---|----------------------|
| <b>Sensor</b>        | Camera resolution (n° of pixels: W x H) | 2592x1944            |
|                      | Color / Monochrome                      | Color                |
|                      | Sensor Size                             | 1/1.8"               |
|                      | Sensor Technology                       | CMOS                 |
|                      | Sensor Type                             | SONY                 |
|                      | Image Format                            | 16/9                 |
|                      | Pixel Size (µm)                         | 2.4x2.4              |
|                      | Acquisition technology                  | Rolling shutter      |
|                      | G sensitivity                           | 1120mV at 1/30s      |
|                      | Dark Signal                             | 0.15mV at 1/30s      |
|                      | ADC conversion                          | 8 Bit - 12Bit        |
|                      | Color Depth                             | 1, 4, 8, 24 Bit      |
|                      | Exposure time                           | 0.03 msec - 918 msec |
|                      | Binning                                 | 1x1                  |
| IR filter            | Yes                                     |                      |
| IR filter range (nm) | 380-650 (IR CUT)                        |                      |

|             |                       |                     |
|-------------|-----------------------|---------------------|
| <b>HDMI</b> | HDMI resolution (MP)  | 2                   |
|             | Live HDMI measurement | Yes                 |
|             | Exposure              | Auto / Manual       |
|             | White Balance         | Auto / Manual / ROI |

|             |                                       |                                   |
|-------------|---------------------------------------|-----------------------------------|
| <b>WiFi</b> | WiFi resolution (MP)                  | 5                                 |
|             | WiFi Frame rate full resolution (fps) | 25@1920x1080 (WiFi)               |
|             | WiFi Speed                            | 802.11n 150Mbps                   |
|             | WiFi Signal                           | From the camera                   |
|             | WiFi Signal ready                     | About 10 seconds after turning on |

|                            |                 |                        |
|----------------------------|-----------------|------------------------|
| <b>Camera Power Supply</b> | 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                    |

|                           |                   |     |
|---------------------------|-------------------|-----|
| <b>Camera accessories</b> | Calibration slide | Yes |
|                           | HDMI cable (1.5m) | Yes |
|                           | Wireless Mouse    | Yes |
|                           | 16GB SD card      | Yes |
|                           | WiFi Adapter      | Yes |

|                    |                     |                   |
|--------------------|---------------------|-------------------|
| <b>Environment</b> | 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%        |

|                         |    |                    |
|-------------------------|----|--------------------|
| <b>Operating System</b> | OS | Windows 7          |
|                         | OS | Windows 8          |
|                         | OS | Windows 10 (32Bit) |
|                         | OS | Windows 10 (64Bit) |

|                           |           |                     |
|---------------------------|-----------|---------------------|
| <b>Available Software</b> | PC SW     | PROVIEW             |
|                           | Camera SW | HDMILITE (built-in) |

|                        |    |                                     |
|------------------------|----|-------------------------------------|
| <b>PC requirements</b> | PC | CPU: Intel Core2 - 2.8GHz or higher |
|                        | PC | RAM: 2GB or more                    |
|                        | PC | USB 2.0                             |

| <b>HDMILITE SW Specifications</b> |                     |     |
|-----------------------------------|---------------------|-----|
| <b>General</b>                    | Archiving           | Yes |
|                                   | Multi-language menu | Yes |
|                                   | Available languages |     |
|                                   | Chinese             | Yes |
|                                   | English             | Yes |
|                                   | French              | Yes |
|                                   | German              | Yes |
|                                   | Italian             | Yes |
|                                   | Japanese            | Yes |
|                                   | Korean              | Yes |
|                                   | Thai                | Yes |

|                          |  |        |
|--------------------------|--|--------|
| <b>Image Acquisition</b> | Still image multiple format saving     | Yes    |
|                          | Video recording multiple format saving | Yes    |
|                          | Continuous automatic exposure          | Yes    |
|                          | Manual exposure                        | Yes    |
|                          | Color acquisition                      | Yes    |
|                          | Numerical Focus Indicator              | Yes    |
|                          | White Balance                          | Manual |
|                          | Image enhancement                      | Yes    |
|                          | Zoom in                                | Yes    |
|                          | Zoom out                               | Yes    |
|                          | Image Comparison                       | Yes    |
|                          | Browse of Images and Video             | Yes    |
|                          | Freeze image                           | Yes    |

|                         |                          |     |
|-------------------------|--------------------------|-----|
|                         | Horizontal Flip          | Yes |
|                         | Verical Flip             | Yes |
| <b>Image Processing</b> | HDR (High Dynamic Range) | Yes |
|                         | Ruler Overlay            | Yes |
|                         | Arrow Overlay            | Yes |
|                         | Measurement Overlay      | Yes |
|                         | Grids                    | Yes |
| <b>Measurements</b>     | Live measurement         | Yes |
|                         | Still image measurement  | Yes |
|                         | Select measurement unit  | Yes |
|                         | Available measurements   |     |
|                         | Line                     | Yes |
|                         | Angle                    | Yes |
|                         | Parallel lines           | Yes |
|                         | Rectangle                | Yes |
|                         | Ellipse                  | Yes |
|                         | Circle                   | Yes |
|                         | Annulus                  | Yes |
|                         | Curve                    | Yes |
|                         | Arc                      | Yes |
|                         | Polygon                  | Yes |
|                         | Export to Excel          | Yes |