



### USB 2.0 C-mount and Eyepiece Microscope Camera

|                               |  |                    |
|-------------------------------|--|--------------------|
| <b>General specifications</b> | USB output                               | Yes                |
|                               | C-Mount                                  | Yes                |
|                               | Dimensions (mm)                          | 58 x 58 x 36.4     |
|                               | Weight (kg)                              | 0.18               |
| <b>Sensor</b>                 | Camera resolution (n° of pixels: W x H)  | 2048x1536          |
|                               | Color / Monochrome                       | Color              |
|                               | Sensor Size                              | 1/2.8"             |
|                               | Sensor Technology                        | CMOS               |
|                               | Sensor Type                              | APTINA CMOS        |
|                               | Image Format                             | 4/3                |
|                               | Pixel Size (µm)                          | 2.5x2.5            |
|                               | Acquisition technology                   | Rolling shutter    |
|                               | G sensitivity                            | 600mV at 1/30s     |
|                               | Dark Signal                              | 0.15mV at 1/30s    |
|                               | ADC conversion                           | 8 Bit              |
|                               | Color Depth                              | 1, 4, 8, 24 Bit    |
|                               | Exposure time                            | 0.244 msec - 2 sec |
|                               | Binning                                  | 1x1; 2x2; 3x3      |
|                               | IR filter                                | Yes                |
| IR filter range (nm)          | 380-650 (IR CUT)                         |                    |
| <b>USB</b>                    | PC Camera resolution (MP)                | 3.1                |
|                               | USB standard                             | USB2.0             |
|                               | Frame rate full resolution (fps)         | 10.5@2048x1536     |
|                               | Frame rate other resolution (fps)        | 15@1920x1080       |
| <b>Camera Power Supply</b>    | Connector                                | USB                |
|                               | Output voltage                           | PC USB             |
| <b>Camera accessories</b>     | Optical adapter (for 23mm eyepiece tube) | 0.5x               |
|                               | Adapter ring                             | Yes                |
|                               | Diameter of adapter ring (mm)            | 30                 |
|                               | Diameter of adapter ring (mm)            | 30.5               |
|                               | Calibration slide                        | Yes                |
|                               | USB cable (1.8m)                         | 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)                 |
|                         | OS | Windows 11                         |
|                         | OS | Osx (MAC Osx) starting from 10.7.5 |
|                         | OS | Linux                              |

|                           |       |          |
|---------------------------|-------|----------|
| <b>Available Software</b> | PC SW | PROVIEW  |
|                           | PC SW | LITEVIEW |

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