



USB 2.0 C-mount and Eyepiece  
Microscope Camera

|                        |                 |                |
|------------------------|-----------------|----------------|
| General specifications | USB output      | Yes            |
|                        | C-Mount         | Yes            |
|                        | Dimensions (mm) | 58 x 58 x 36.4 |
|                        | Weight (kg)     | 0.18           |

|        |                                         |                    |
|--------|-----------------------------------------|--------------------|
| Sensor | 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 (mm)                         | 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)   |

|     |                                   |                |
|-----|-----------------------------------|----------------|
| USB | 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   |

|                     |                |        |
|---------------------|----------------|--------|
| Camera Power Supply | Connector      | USB    |
|                     | Output voltage | PC USB |

|                    |                                          |      |
|--------------------|------------------------------------------|------|
| Camera accessories | 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  |

|                    |                     |                                     |
|--------------------|---------------------|-------------------------------------|
| 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%                          |
| Operating System   | 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                               |
| Available Software | PC SW               | PROVIEW                             |
|                    | PC SW               | LITEVIEW                            |
| PC requirements    | PC                  | CPU: Intel Core2 - 2.8GHz or higher |
|                    | PC                  | RAM: 2GB or more                    |
|                    | PC                  | USB 2.0                             |