



*High Performance USB 3.0 C-mount  
Microscope Camera*

|                               |   |                   |
|-------------------------------|---|-------------------|
| <b>General specifications</b> | USB output                              | Yes               |
|                               | C-Mount                                 | Yes               |
|                               | Dimensions (mm)                         | 68 x 68 x 46      |
|                               | Weight (kg)                             | 0.265             |
| <b>Sensor</b>                 | Camera resolution (n° of pixels: W x H) | 4000x3000         |
|                               | Color / Monochrome                      | Color             |
|                               | Sensor Size                             | 1/1.7"            |
|                               | Sensor Technology                       | CMOS              |
|                               | Sensor Type                             | SONY EXMOR        |
|                               | Image Format                            | 4/3               |
|                               | Pixel Size (µm)                         | 1.85x1.85         |
|                               | Acquisition technology                  | Rolling shutter   |
|                               | Dynamic range (DB)                      | 65.28             |
|                               | G sensitivity                           | 280mV at 1/30s    |
|                               | Dark Signal                             | 0.1mV at 1/30s    |
|                               | ADC conversion                          | 8 Bit - 12Bit     |
|                               | Color Depth                             | 1, 4, 8, 24 Bit   |
|                               | Exposure time                           | 0.1 msec - 15 sec |
|                               | Binning                                 | 1x1; 2x2          |
| IR filter                     | Yes                                     |                   |
| IR filter range (nm)          | 380-650 (IR CUT)                        |                   |
| <b>USB</b>                    | PC Camera resolution (MP)               | 12                |
|                               | USB standard                            | USB3.0            |
|                               | Frame rate full resolution (fps)        | 25@4000x3000      |
|                               | Frame rate other resolution (fps)       | 50@2048x1500      |
| <b>Camera Power Supply</b>    | Connector                               | USB               |
|                               | Output voltage                          | PC USB            |
| <b>Camera accessories</b>     | 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                  | 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 3.0                             |