



All-in-one 4K Imaging Station

|                                      |                 |              |
|--------------------------------------|-----------------|--------------|
| <b>Camera 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) | 3072x2048         |
|                        | Color / Monochrome                      | Color             |
|                        | Sensor Size                             | 1/1.8"            |
|                        | Sensor Technology                       | CMOS              |
|                        | Sensor Type                             | SONY EXMOR        |
|                        | Image Format                            | 3/2               |
|                        | Pixel Size (µm)                         | 2.4x2.4           |
|                        | Acquisition technology                  | Rolling shutter   |
|                        | Signal/Noise Ratio (DB)                 | 41.74             |
|                        | Dynamic range (DB)                      | 66.8              |
|                        | G sensitivity                           | 425mV at 1/30s    |
|                        | Dark Signal                             | 0.15mV at 1/30s   |
|                        | ADC conversion                          | 8 Bit - 12Bit     |
|                        | Color Depth                             | 1, 4, 8, 24 Bit   |
|                        | Exposure time                           | 0.1 msec - 15 sec |
|                        | Binning                                 | 1x1; 2x2          |
| 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"**

|            |                                   |              |
|------------|-----------------------------------|--------------|
| <b>USB</b> | PC Camera resolution (MP)         | 6.3          |
|            | USB standard                      | USB3.0       |
|            | Frame rate full resolution (fps)  | 30@3072x2048 |
|            | Frame rate other resolution (fps) | 38@1536x1024 |

|                            |                |        |
|----------------------------|----------------|--------|
| <b>Camera Power Supply</b> | Connector      | USB    |
|                            | Output voltage | PC USB |

|                           |                   |     |
|---------------------------|-------------------|-----|
| <b>Camera accessories</b> | Calibration slide | Yes |
|                           | USB cable (0.3m)  | 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 11                       |
| <b>Available Software</b>  | PC SW                                 | PROVIEW                          |
| <b>PC</b>                  | Operating system                      | Windows 11                       |
|                            | CPU                                   | IntelCore or AMD Ryzen           |
|                            | Graphic card                          | Embedded, max resolution 4K      |
|                            | RAM                                   | Min 8GB                          |
|                            | Power plug type                       | Schuko                           |
|                            | Storage                               | SSD min 256GB                    |
|                            | Ports                                 | USB3.0, USB2.0, USB-C, Ethernet, |
| <b>HDMI Monitor</b>        | Touch Screen                          | Yes                              |
|                            | Display size                          | 15.6"                            |
|                            | Display resolution                    | 3840x2160                        |
|                            | Contrast ratio                        | 1000:1                           |
|                            | Luminous flux (lumen)                 | 350                              |
|                            | Power plug type                       | European                         |
|                            | Input voltage                         | 110/240 Vac, 50/60 Hz            |
|                            | Output voltage                        | 5 Vdc 4 A                        |
| Dimensions (mm)            | 356 x 225 x 12                        |                                  |
| <b>Monitor accessories</b> | USB cable (USB-C to USB-A) (0.3 m)    | Yes                              |
|                            | HDMI cable (mini HDMI to HDMI) (0.5m) | Yes                              |