*All-in-one 4K Imaging Station*

| Camera General specifications | | |
|---|---|---|
| | USB output | Yes |
| | C-Mount | Yes |
| | Housing | Aluminium |
| | Dimensions (mm) | 68 x 68 x 46 |
| | Weight (kg) | 0.265 |

| Sensor | | |
|---|---|---|
| | 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 ($\mu$m) | 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"**

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

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

| Camera accessories | | |
|---|---|---|
| | Calibration slide | Yes |
| | USB cable (0.3m) | 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% |

| Available Software | PC SW | PROVIEW |
|---|---|---|

| PC | Operating system | Windows 11 |
|---|---|---|
| | CPU | IntelCore or AMD Ryzen |
| | Graphic card | Embedded, max resolution 4K |
| | RAM | 16GB |
| | Power plug type | Multiplug |
| | Storage | SSD min 256GB |
| | Wifi | Yes |
| | Ports | USB3.0 (3x), USB2.0 (1x), USB-C (1x), Ethernet (2x), HDMI (1x), Display Port (1x) |

| HDMI Monitor | 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 |

| Monitor accessories | USB cable (USB-C to USB-A) (0.3 m) | Yes |
|---|---|---|
| | HDMI cable (mini HDMI to HDMI) (0.5m) | Yes |