

| CCD Detector Specification  |   |
|---|---|
| Resolution  | 1360 x 1024 pixels  |
| Binning option 2x2  | 680 x 512 pixels  |
| A/D converter resolution  | 16 bit (65 536 grey levels)   |
| Pixel size  | 6.45 µm x 6.45 µm   |
| Interface connector   | Gigabit Ethernet  |
| Operating models  | Video, snapshot (long integration time)   |
| CCD Detector Wavelength Range   | 400 – 1000 nm   |
| Spectral Response   | QE max at 540 nm (~72 %), 50 % roll-off at 350 nm and 800 nm  |
| Read-Out Noise  | Less than 8 electrons RMS – typically only 6 electrons  |
| Full-Well Capacity  | Greater than 22 000 electrons (unbinned)  |
| Maximum integration time  | 1000 seconds  |
| Image Intensifier Specification (900H only)   |   |
| Active area diameter  | 25 mm (circle)  |
| Dual stage  | MCP   |
| Wavelength Range  | 300 – 700 nm  |
| QE max  | at 350 nm (~22 %)   |
| Gain  | 3x10 <sup>6</sup> ph/ph   |
| EBI (Equivalent Background Illumination)  | 50 ph/cm <sup>2</sup> s   |
| Resolution  | 23 lp/mm  |
| Phosphor screen type  | P43   |
| Lens mount type   | Nikon F-mount   |
| Bi-alkali photocathode  |   |
| Other Specification and features  |   |
| Interface   | Gigabit Ethernet  |
| Power Supply  | 90 – 240 VAC  |
| Dimensions  | 558 mm (W) x 556 mm (D) x 876 mm (H)  |
| Image Intensifier overload protection (900H only)                                     | <ul style="list-style-type: none"> <li>– Automatic intensifier deactivating when high illumination detected in the box.</li> <li>– Automatic intensifier deactivation when the box door opens.</li> </ul> |
| Integrated lighting for the possibility of taking pictures under controlled lighting. |   |