

# Ceti D18 18 MP Digital Microscope Camera with Capture Software

The Ceti D18 18 MP Digital Microscope Camera is a USB 3.0 C-Mount device that utilises an ultra-high performance Aptina CMOS sensor as the image capture device.

This digital microscope camera comes with advanced video and image processing software, allowing capture and output on Windows, Linux and Mac OSX platforms. Video can be captured at 1080P resolution at up to 30fps.

The included 12-bit software has processing controls for demosaic adjustments, automatic exposure, gain adjustment, one click white balance, chrominance adjustment, saturation adjustment, gamma correction, luminance adjustment and contrast adjustment.

The camera is designed for use with brightfield applications and is ideal if high resolution, large-scale prints (such as presentation posters) are required.

## Specifications

|                                   |  |
|-----------------------------------|--|
| <b>Cat. No.</b>                   | <b>9558.0018</b>   |
| <b>Basic Performance</b>          |  |
| <b>Sensor &amp; Size</b>          | 18M/AR1820(C); 6.14 x 4.61µm   |
| <b>Pixel Size (µm)</b>            | 1.25 x 1.25  |
| <b>Dynamic Range (dB)</b>         | 65.8   |
| <b>SN Ratio (dB)</b>              | 36.3   |
| <b>Frames per Second (FPS)</b>    | 13.1 FPS (Resolution) 4912 x 3684; 34.3 FPS (Resolution) 2456 x 1842; 54.4 FPS (Resolution) 1228 x 922 |
| <b>Binning</b>                    | 1 x 1, 2 x 2 and 4 x 4   |
| <b>Exposure</b>                   | 0.1ms~2s   |
| <b>White Balance</b>              | ROI White Balance/Manual Temp Tint Adjustment/NA for Monochromatic Sensor                              |
| <b>Recording System</b>           | Still Image and Movie  |
| <b>Cooling System</b>             | None   |
| <b>Conditions</b>                 |  |
| <b>Operating Temperature (°C)</b> | -10 to +50   |
| <b>Storage Temperature (°C)</b>   | -20 to +60   |
| <b>Operating Humidity (%RH)</b>   | 30 to 80   |
| <b>Storage Humidity (%RH)</b>     | 10 to 60   |
| <b>Other Features</b>             |  |
| <b>Power Supply</b>               | USB port   |
| <b>Operating System</b>           | Microsoft® Windows® XP/Vista/7/8/10 (32 & 64 bit), Mac OS X, Linux                                     |
| <b>PC Requirements</b>            | CPU: Equal to Intel Core 2 2.8GHz or higher; Memory: 2GB or more; USB Port: USB 3.0 High-Speed; CD-ROM |

