



# Pixera Pro D Series Color Digital Microscope Camera

**pixera**

**Pro300D**



**Pro500D**



**Pro1000D**



**Pro1400D**



Pixera Pro D Series are high performance digital microscope cameras equipped with enhanced color CMOS image sensors. Four models are available with 3M, 5M, 10M, and 14M pixels. All cameras include integrated image analysis software. Pro D series microscope cameras are an excellent choice for pathology, histology, industrial inspection and scientific research.

### Features:

- Excellent color reproduction from newly developed enhanced color CMOS technology
- High speed USB interface (USB 2.0 or USB 3.0)
- Super low-power consumption for low-noise imaging. No external power supply required.
- Integrated imaging software with camera control, annotations, measurement tools, image stitching, multi-focus, and time lapse.
- Compatible with Windows XP(32bit), Windows 7 (32/64-bit) and Windows 8 (32/64-bit) operation systems
- TWAIN and DirectShow driver compatible.
- Multi-camera synchronous function supports up to 4 cameras on a single PC

### Specifications:

| Camera Model            | Pro300D  | Pro500D  | Pro1000D  | Pro1400D   |
|-------------------------|--|--|---|--|
| Image Sensor            | 1/2" Enhanced Color CMOS   | 1/2.5" Enhanced Color CMOS   | 1/2.3" Enhanced Color CMOS  | 1/2.3" Enhanced Color CMOS   |
| Number of Pixels        | 2048Hx1536V (3.0MP)  | 2592Hx1944V (5.0MP)  | 3664Hx2748V (10MP)  | 4384Hx3288V (14MP)   |
| Pixel Size              | 3.2µm×3.2µm  | 2.2µm×2.2µm  | 1.67µm×1.67µm   | 1.4µm×1.4µm  |
| Resolution & Frame Rate | 11fps (2048x1536)<br>16fps (1920x1080)<br>32fps (1024x768)<br>Any size ROI     | 9fps (2592x1944)<br>13fps (2048x1536)<br>20fps (1920x1080)<br>Any size ROI | 4fps (3664x2748)<br>9fps (2592x1944)<br>18fps (1920x1080)<br>Any size ROI | 12fps (4384x3288)<br>32fps (2592x1944, ROI)<br>28fps (2048x1536, BIN)<br>38fps (1920x1080, BIN)<br>71fps (1920x1080, ROI)<br>102fps (1024x768)<br>64fps (800x600, SUM) |
| Exposure Time           | 54µs~3000ms  | 58µs~3000ms  | 58µs~3000ms   | 25µs~1000ms  |
| Dynamic Range           | 61dB   | 67.7dB   | 65.2dB  | 65.3dB   |
| Optical Mount           | C-Mount  |  |   |  |
| Shutter Type            | Electronic Rolling Shutter   |  |   |  |
| Exposure Control        | Auto / Manual / Regional Exposure  |  |   |  |
| White Balance           | One Touch White Balance / Manual / Regional White Balance / Auto White Balance |  |   |  |
| Spectral Response       | 380nm ~ 650nm (with IR Cut-off filter)   |  |   |  |
| Image Format            | RAW, BMP, JPG, PNG   |  |   |  |
| Data Interface          | USB 2.0 480Mbit/s  |  |   | USB 3.0 5Gbit/s  |
| Status LED              | Normally on when power on; blinking when working.                              |  |   |  |
| Power Consumption       | 0.64W  | 0.80W  | 0.95W   | 2.0W   |
| Working Temp.           | 0~50°C   |  |   |  |
| Storage Temp.           | -20~60°C   |  |   |  |
| Dimensions              | 88mm x 80mm x 38mm, 3-7/16" x 3-1/8" x 1-1/2"                                  |  |   | 100mm x 90mm x 49mm<br>3-31/32"x3-17/32"x1-29/32"  |
| Weight                  | 320g (0.7lb)   |  |   | 540g (1.2lb)   |

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Pixera Corporation (USA / International) TEL:+1-408-855-0700 <http://www.pixera.com> email: [sales@pixera.com](mailto:sales@pixera.com)