

ProScope HR™ Specifications

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|---------------------------------------|---|--|
| Imager | 1/4 inch high resolution 1.3Mp color sensor | 1,310,720 effective pixels |
| Interface | USB | USB 2.0 or USB 1.1, USB 2.0 required for high resolution mode (SXGA) and higher frame rates. |
| Magnification | Varies based on attached lens. ProScope HR base unit can also attach to a traditional microscope via our optional C-mount adapter. | 1-10x, 30Nx, 50x, 100x, 200x and 400x lens options available (approximate magnification when displayed on a 14-inch video monitor). |
| Dimensions | 152mm (length), 45mm (width) | |
| Weight | About 150g, without lens unit attached. | About 185g with lens unit attached. |
| Power Consumption | About 400mA | When using a 5V light source. |
| Length of cable | About 1.8m (6 ft) | |
| Capture Button | Initiates still, movie, and time lapse capture in ProScope HR software. | |
| Light Switch | 3-position on/off switch for lens LEDs | A-OFF-B |
| Camera Mount | (2) standard tripod mount | 1/4" – 20 threads |
| Lens Release Button | Disengages lens lock pin for lens removal. | |
| Video Preview | 30 fps @ 320x240 pixels (QVGA) 15 fps @ 640x480 pixels (VGA) 3.75 fps @ 1280x1024 pixels (SXGA) | |
| Video Controls | Brightness, Contrast, Hue, Saturation, and Sharpness. | Light Source/White Balance options include ProScope HR LED, Incandescent, Fluorescent, Daylight, and Auto. |
| Still Capture | USB 2.0 High Speed 320x240 pixels (QVGA) 640x480 pixels (VGA) 1280x1024 pixels (SXGA) | USB 1.1 Full Speed 320x240 pixels (QVGA) 640x480 pixels (VGA) High resolution mode (SXGA) not available. |
| Video Capture | USB 2.0 High Speed 30 fps @ 320x240 pixels (QVGA) 15 fps @ 640x480 pixels (VGA) 3.75 fps @ 1280x1024 pixels (SXGA) | USB 1.1 Full Speed ~ 4 fps @ 320x240 pixels (QVGA) ~ 1 fps @ 640x480 pixels (VGA) High resolution mode (SXGA) not available. |
| Driver | USB Video Class USB Human Interface Device Class | Mac/PC |
| Macintosh minimum system requirements | OS 10.4.8 or later Quicktime 7 or later Factory installed USB 2.0 or USB 1.1 port G4, G5 or Intel Mac | USB 2.0 port recommended. A USB 1.1 port may be used but only 640x480 (VGA) and 320x240 (QVGA) modes are supported and at a much reduced frame rate. |
| Windows minimum system requirements | Windows XP Service Pack 2 or later Quicktime 7 or later DirectX 9 or later Factory installed USB 2.0 or USB 1.1 port P4 or equivalent | USB 2.0 port recommended. A USB 1.1 port may be used but only 640x480 (VGA) and 320x240 (QVGA) modes are supported and at a much reduced frame rate. |
| Operating Temperature Range | 5C~40C | |
| Storage Temperature Range | -10C~60C (Without condensation) | |
| Other | RoHS Compliant | Made in USA |
| Warranty | One Year | |

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Technology licensed under the following patents:
U.S. Patent Nos. 5,442,489 to Yamamoto et al.
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U.S. Patent Nos. 4,988,158 to Yamamoto (Expired)
U.S. Patent Nos. 4,930,851 to Yamamoto (Expired)