

## ProScope HR™ Specifications

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	<b>USB 2.0 High Speed</b> 320x240 pixels (QVGA) 640x480 pixels (VGA) 1280x1024 pixels (SXGA)	<b>USB 1.1 Full Speed</b> 320x240 pixels (QVGA) 640x480 pixels (VGA) High resolution mode (SXGA) not available.
Video Capture	<b>USB 2.0 High Speed</b> 30 fps @ 320x240 pixels (QVGA) 15 fps @ 640x480 pixels (VGA) 3.75 fps @ 1280x1024 pixels (SXGA)	<b>USB 1.1 Full Speed</b> ~ 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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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)  
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