

# GO-3

## The QImaging® Go-3

color CMOS camera is a low-cost digital color camera for documentation and archiving in clinical, pathology, life science, material science, and industrial applications where high resolution and high speed are required. The Go-3 features a 3-megapixel sensor and on-board processing to deliver amazing color images at 6fps (full resolution). The camera's USB 2.0 interface provides convenience and simple plug-and-play installation via a single cable.

## camera models

*Includes: USB 2.0 cable, QCapture Suite software, QCapture Pro software, and access to SDK*

### ■ Color Go-3

Model: GO-3-CLR-10

## camera options

- Extended Warranty

## High-Resolution USB 2.0 Digital Color Camera



features	benefits
High-Resolution, 3-Million-Pixel Sensor	<ul style="list-style-type: none"> <li>■ Highly detailed, sharp images suitable for documentation and industrial applications</li> </ul>
High-Speed Readout	<ul style="list-style-type: none"> <li>■ Previewing &amp; focusing in real time</li> <li>■ 60fps with 640 x 480 resolution</li> <li>■ 6fps full resolution</li> <li>■ Ideal for high-resolution, high-speed imaging</li> </ul>
Flexible Exposure Control	<ul style="list-style-type: none"> <li>■ Optimal integration over a wide range of light levels</li> </ul>
ROI (Region of Interest)	<ul style="list-style-type: none"> <li>■ Higher frame rates for previewing &amp; focusing</li> </ul>
USB 2.0 Connection	<ul style="list-style-type: none"> <li>■ Simple connectivity</li> <li>■ Ease of use and installation</li> <li>■ Portability with laptop computer</li> <li>■ Single-cable operation (no external control unit or framegrabber)</li> </ul>
Extensive Application Software Support	<ul style="list-style-type: none"> <li>■ Choose from a large selection of life science &amp; industrial software for microscopy, machine vision, &amp; video-streaming functions</li> </ul>

# GO-3 Specifications

## CMOS sensor

Light-Sensitive Pixels	2048 x 1536
ROI (Region of Interest)	User selectable
Exposure/Integration Control	0ms to 1.74sec
Sensor Type	CMOS, color sensor
Pixel Size	3.2µm x 3.2µm
Linear Full Well	> 20,000e-
Read Noise	2.6e- RMS
Shutter	Rolling shutter with single-frame capture
Digital Output	8 or 10 bits (24- or 30-bit color)
Readout Frequency	24MHz
Frame Rate	6fps full resolution @ 10 bits; 60fps @ 640 x 480 resolution

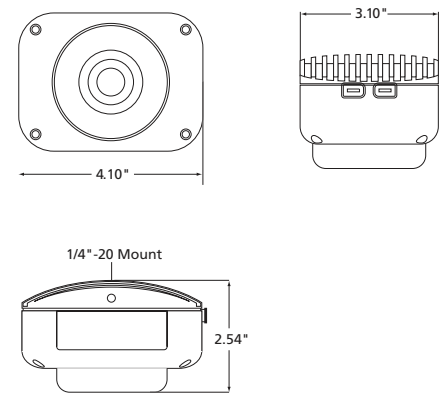
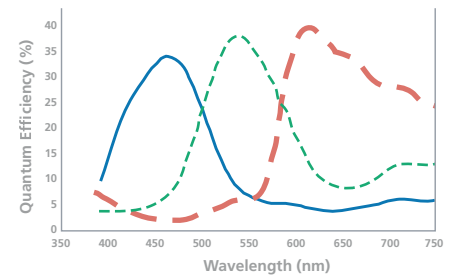
## camera

Computer Platforms/ Operating Systems	Windows®
Digital Interface	USB 2.0
Trigger Types	Internal, Software
Normal Gain Control	1 to 3.850
Optical Interface	1/2", C-mount optical format
Threadmount	1/4" – 20 mount
Power Requirements	2.5W; 5VDC
Weight	300kg (0.67lbs)
Warranty	2 years
Operating Environment	0 to 50°C; 95% relative humidity non-condensing
Storage Temperature	-20 to 60°C

## applications

- Pathology
- Image archiving for clinical, life science, and material science
- Industrial Imaging
- Brightfield
- Still-image animation

## spectral response



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\*Refer to Qimaging website for detailed listing of supported operating systems.  
 Note: Specifications are typical and subject to change.

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