Go-3

High-Resolution USB 2.0 Digital Color Camera

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

features	benefits
High-Resolution, 3-Million-Pixel Sensor	▪ Highly detailed, sharp images suitable for documentation and industrial applications
High-Speed Readout	▪ Previewing & focusing in real time ▪ 60fps with 640 x 480 resolution ▪ 6fps full resolution ▪ Ideal for high-resolution, high-speed imaging
Flexible Exposure Control	▪ Optimal integration over a wide range of light levels
ROI (Region of Interest)	▪ Higher frame rates for previewing & focusing
USB 2.0 Connection	▪ Simple connectivity ▪ Ease of use and installation ▪ Portability with laptop computer ▪ Single-cable operation (no external control unit or framegrabber)
Extensive Application Software Support	▪ Choose from a large selection of life science & industrial software for microscopy, machine vision, & video-streaming functions

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	> 20,000 e-
Read Noise	20 e- 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	300g (0.67lbs)
Warranty	2 years
Operating Environment	0 to 50°C; 95% relative humidity non-condensing
Storage Temperature	-20 to 60°C

*Refer to QImaging website for detailed listing of supported operating systems.
Note: Specifications are nominal and subject to change.

applications

Pathology
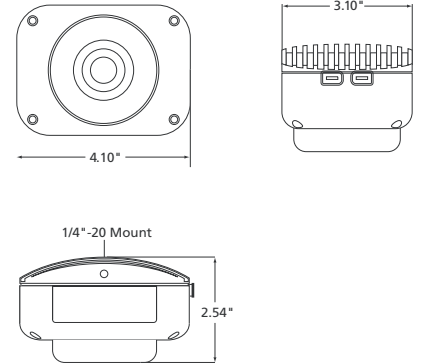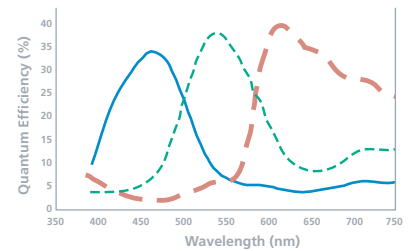
Image archiving for clinical, life science, and material science

Industrial imaging

Brightfield

Still-image animation

spectral response

3.10"

4.10"

1/4"-20 Mount

2.54"

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