Go-5

High-Resolution USB 2.0 Digital Color Camera

The **QImaging® Go-5** color CMOS camera is designed for documentation and archiving in clinical, pathology, life science, material science, and industrial applications where high resolution, high bit depth, and high speed are required. The Go-5 features a 5-megapixel sensor, a 12-bit digitizer, and a full-resolution frame rate of 7fps to bring superior CMOS imaging capabilities to the market. 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-5**
  Model: GO-5-CLR-12

camera options

- Extended Warranty

features	benefits
High-Resolution Imaging	▪ User selectable to provide full ability to match optics to camera resolution
High-Speed Readout	▪ Previewing & focusing in real time ▪ 60fps with 640 x 480 resolution ▪ 7fps full resolution ▪ Ideal for high-resolution, high-speed imaging
Low-Noise Electronics	▪ Enhanced color accuracy and detail
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-5 Specifications

CMOS sensor

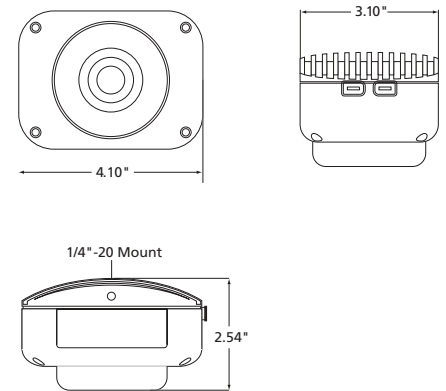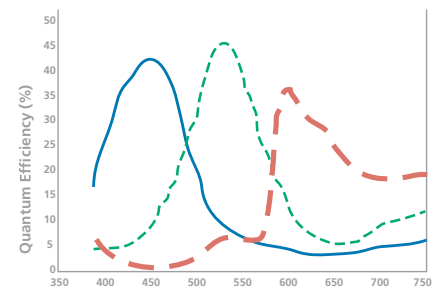|	
Light-Sensitive Pixels	2592 x 1944
ROI (Region of Interest)	User selectable
Exposure/Integration Control	1ms to 3sec
Sensor Type	CMOS, color sensor
Pixel Size	2.2µm x 2.2µm
Linear Full Well	~ 8300e-
Read Noise	2.6e- RMS
Shutter	Rolling shutter with single-frame capture
Digital Output	8 or 12 bits (24- or 30-bit color)
Readout Frequency	48MHz
Frame Rate	7fps full resolution @ 12 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 10
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℃; 95% relative humidity non-condensing
Storage Temperature	-20 to 60℃

applications

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

spectral response

Q IMAGING®