



Guppy PRO F-503

Description

Very compact 5 Megapixel CMOS camera - attractive price - FireWire

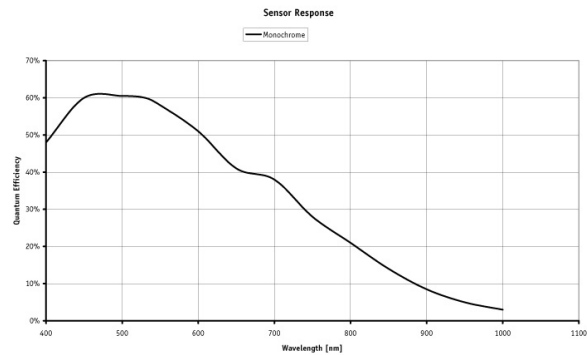
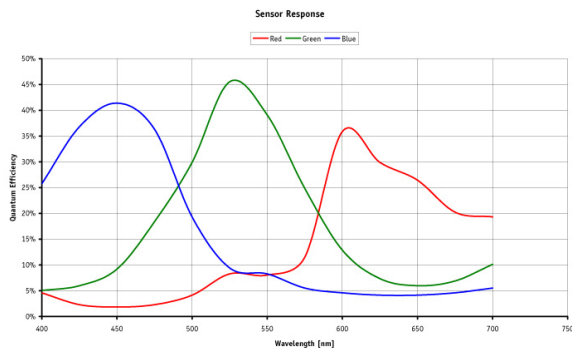
The Guppy F-503B/C is a very compact, economically priced camera with a CMOS sensor (no blooming). At full resolution, it runs up to 6.5 fps. Higher frame rates can be reached by a smaller AOI, binning, or sub-sampling.

- Micron/Aptina CMOS MT9P031 (Rolling shutter/Global Reset Release shutter)
- Trigger
 - Edge mode, programmable trigger delay
- Options
 - Various IR cut/pass filters
 - CS-Mount
 - White medical housing

Specifications

Guppy		F-503	
Interface	IEEE 1394a - 400 Mb/s, 1 port		
Resolution	2592 x 1944		
Sensor	Micron/Aptina MP031		
Type	CMOS Progressive		
Sensor Size	Type 1/2.5		
Cell size	2.2 μ m		
Lens mount	C		
Max frame rate at full resolution	6 fps		
A/D	12 bit		
On-board FIFO	0 MB		
Output			
Bit depth	8/12 (12 bit ADC) bit		
Mono modes	Mono8		
Color modes YUV	n/a		
Color modes RGB	n/a		
Raw modes	Raw8		
General purpose inputs/outputs (GPIOs)			
TTL I/Os	1 input, 3 outputs		
Opto-coupled I/Os	0		
RS-232	1		
Power/Mass/Dimensions/Regulations			
Power requirements (DC)	8 V - 36 V		
Power consumption (12 V)	<2 W		
Mass	50 g		
Body Dimensions (L x W x H in mm)	48.2 x 30 x 30 mm incl. connectors		
Regulations	CE, FCC Class B, RoHS		

[Download Guppy technical drawing \(click here\)](#)



Smart features

- Programmable LUT
- Gain
 - Auto/manual
 - Manual gain control: 0 - 26 dB
- Exposure
 - Auto/manual
 - Exposure time: 41 μ s - 2.3 s
- Auto white balance
- Image mirror
- Binning (b/w)
- Sub-sampling
- Defect pixel correction
- Multi-shot
- Separate AOI for auto features

Applications

The Guppy F-503B/C is an economically priced 5 Megapixel camera; its CMOS sensor has no blooming and features the defect pixel correction mode. This camera fits a variety of applications:

- Quality control
- Industrial inspection
- Security and surveillance
- ... and many more