



Guppy PRO F-503

Description

Industrial CMOS camera, 5 Megapixels

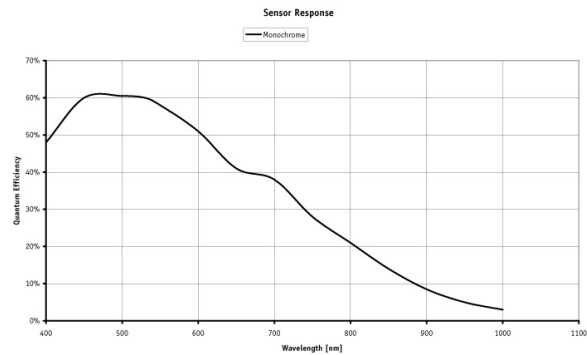
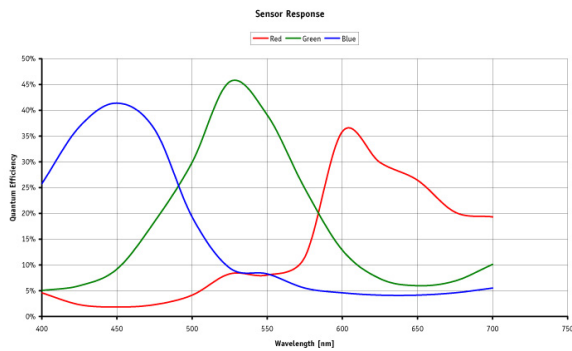
The Guppy PRO F-503B/C is an industrial CMOS camera with 5 Megapixel resolution. It is equipped with an Aptina sensor and runs 13 fps at full resolution.

- Micron/Aptina MT9P031 CMOS sensor
- Trigger
 - Edge mode, programmable trigger delay
- Options
 - Various IR cut/pass filters
 - White medical housing

Specifications

Guppy PRO		F-503	
Interface	IEEE 1394b - 800 Mb/s, 1 port		
Resolution	2588 x 1940		
Sensor	Micron/Aptina MT9P031		
Type	CMOS Progressive		
Sensor Size	Type 1/2.5		
Cell size	2.2 µm		
Lens mount	C		
Max frame rate at full resolution	13 fps		
A/D	12 bit		
On-board FIFO	0 MB		
Output			
Bit depth	8-12 bit		
Mono modes	8/12/16		
Color modes YUV	411/422		
Color modes RGB			
Raw modes	8/12/16		
General purpose inputs/outputs (GPIOs)			
TTL I/Os	0		
Opto-coupled I/Os	1/3		
RS-232	0		
Power/Mass/Dimensions/Regulations			
Power requirements (DC)	8 V - 36 V		
Power consumption (12 V)	3 W		
Mass	80 g		
Body Dimensions (L x W x H in mm)	44.8 x 29 x 29 mm incl. connectors		
Regulations	CE, FCC Class B, RoHS		

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



Smart features

- AOI (separate AOI for auto features)
- Programmable LUT, gamma
- Debayering, color correction
- Gain
- Exposure
- Binning, up to 4 x 4 mono and color
- Low noise binning
- Sub-Sampling (b/w)
- Defect pixel correction
- Image mirror H+V (F-503C only horizontal)

Applications

Thanks to the CMOS sensor and 5 Megapixel resolution, the Guppy PRO F-503 is an industrial CMOS camera with a high performance and a very attractive price.

Applications:

- Industrial inspection with high resolution
- Robotics
- Logistics
- Pharmaceutical industry
- Multimedia
- ITS/Traffic monitoring
- ... and more