



## Description

### Industrial CMOS camera, 5 Megapixels

\*\*\*preliminary\*\*\*

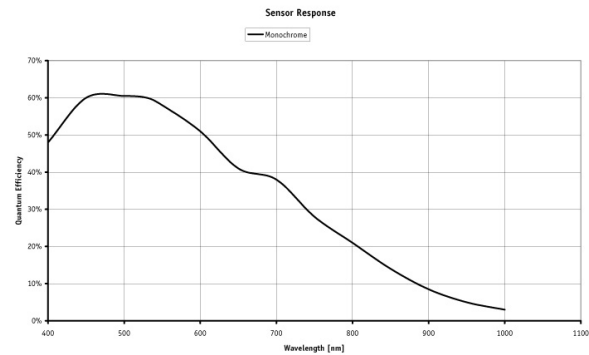
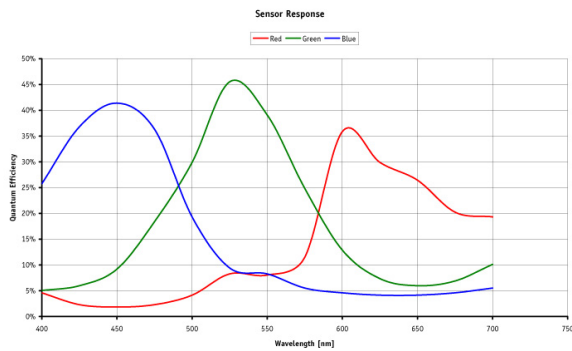
The Guppy PRO F-503B/C is an industrial CMOS camera with 5 Megapixel resolution. It is equipped with an Aptina sensor and runs 13 fps at full resolution.

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

## Specifications

<b>Guppy PRO</b>		<b>F-503</b>	
<b>Interface</b>	IEEE 1394b - 800 Mb/s, 1 port		
<b>Resolution</b>	2592 x 1944		
<b>Sensor</b>	Micron/Aptina MP031		
<b>Type</b>	CMOS Progressive		
<b>Sensor Size</b>	Type 1/2.5		
<b>Cell size</b>	2.2 $\mu$ m		
<b>Lens mount</b>	C		
<b>Max frame rate at full resolution</b>	13 fps		
<b>A/D</b>	12 bit		
<b>On-board FIFO</b>	0 MB		
<b>Output</b>			
<b>Bit depth</b>	8-12 bit		
<b>Mono modes</b>	8/12/16		
<b>Color modes YUV</b>	411/422		
<b>Color modes RGB</b>	RGB8		
<b>Raw modes</b>	8/12/16		
<b>General purpose inputs/outputs (GPIOs)</b>			
<b>TTL I/Os</b>	0		
<b>Opto-coupled I/Os</b>	1/3		
<b>RS-232</b>	0		
<b>Power/Mass/Dimensions/Regulations</b>			
<b>Power requirements (DC)</b>	8 V - 36 V		
<b>Power consumption (12 V)</b>	3 W		
<b>Mass</b>	80 g		
<b>Body Dimensions (L x W x H in mm)</b>	44.8 x 29 x 29 mm incl. connectors		
<b>Regulations</b>	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 (b/w)
- Sub-Sampling (b/w)
- Defect pixel correction
- Image mirror

## **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