



Guppy PRO F-031

Description

Small CCD camera with ICX618 - 1394b

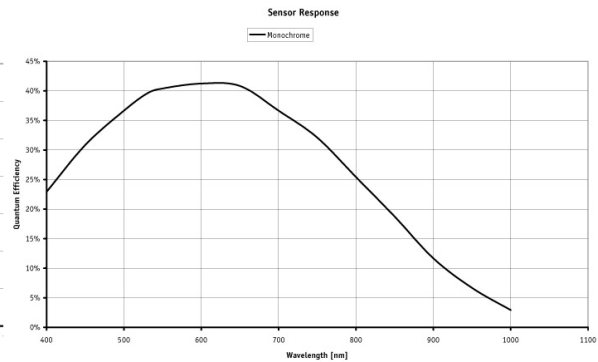
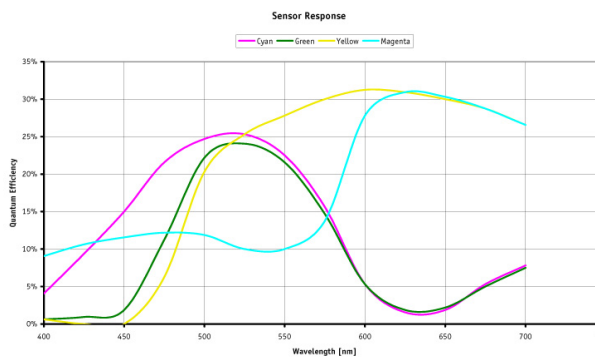
The Guppy PRO F-031B/C is a small 1394b camera with the ICX618 sensor. This ExView HAD CCD sensor is very sensitive both in the visible spectrum and in the NIR (near-infrared) spectrum.

- Sony ICX618 ExView HAD CCD sensor (VGA)
- Trigger
 - Programmable, trigger level control, single trigger, bulk trigger, programmable trigger delay
- Options
 - Various IR cut/pass filters
 - White medical housing

Specifications

Guppy PRO		F-031	
Interface	IEEE 1394b - 800 Mb/s, 1 port		
Resolution	656 x 492		
Sensor	Sony ICX618		
Type	CCD Progressive		
Sensor Size	Type 1/4		
Cell size	5.6 µm		
Lens mount	C		
Max frame rate at full resolution	121 fps		
A/D	14 bit		
On-board FIFO	0 MB		
Output			
Bit depth	8-14 bit		
Mono modes	8/12/16		
Color modes YUV	411/422		
Color modes RGB	RGB8		
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
 - Auto/manual
 - Manual gain control: 0 - 24.4 dB
- Exposure
 - Auto/manual
 - Exposure time: 71 μ s - 67 s
- Binning (2 x 2 b/w)
- Sub-Sampling (2 x 2 b/w)

Applications

The Guppy PRO F-031B/C is a fast and sensitive (also NIR sensitive) camera. Its robust, extremely compact design facilitates the integration into your system.

Typical Applications:

- Machine vision
- Robotics
- Semiconductor inspection
- Logistics
- Security and Surveillance
- Pharmaceutical industry
- Food inspection
- ITS/Traffic monitoring