Guppy PRO F-146

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Description

1394b camera with ICX267 - attractive price

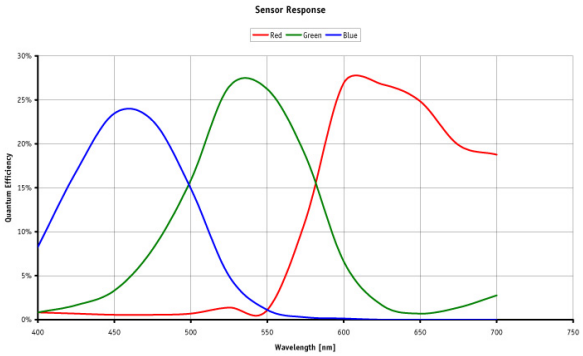
The Guppy PRO F-146B/C is a 1394b camera with Sony's ICX267 CCD sensor. At full resolution, it runs 17 fps. Guppy PRO cameras have an ultra-compact, robust metal housing and a very attractive price.

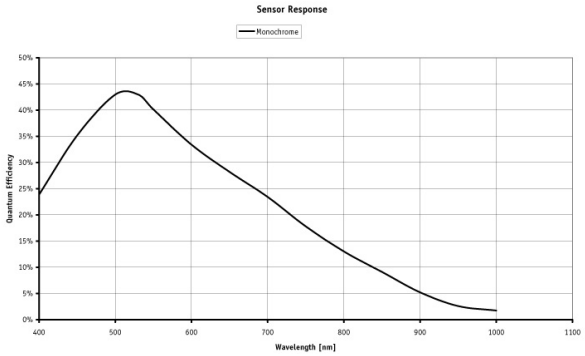
- Sony ICX267 CCD sensor
- Trigger
  - Programmable, trigger level control, single trigger, bulk trigger, programmable trigger delay
- Options
  - Various IR cut/pass filters
  - White medical housing

Specifications

Guppy PRO	F-146
Interface	IEEE 1394b - 800 Mb/s, 1 port
Resolution	1388 x 1038
Sensor	Sony ICX267
Type	CCD Progressive
Sensor Size	Type 1/2
Cell size	4.65 µm
Lens mount	C
Max frame rate at full resolution	17 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	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: 31 µs - 67 s
- Binning (2 x 2 b/w)
- Sub-Sampling (2 x 2 b/w)

Applications

The Guppy PRO F-146B/C is a very compact, robust 1394b camera. It suits for several applications:

- Machine vision
- Robotics
- Logistics
- Healthcare and medical imaging
- Pharmaceutical industry
- Multimedia
- Event documentation
- ITS/Traffic monitoring
- ... and more