



## Guppy PRO F-146

### Description

#### **1394b camera with ICX267 - attractive price**

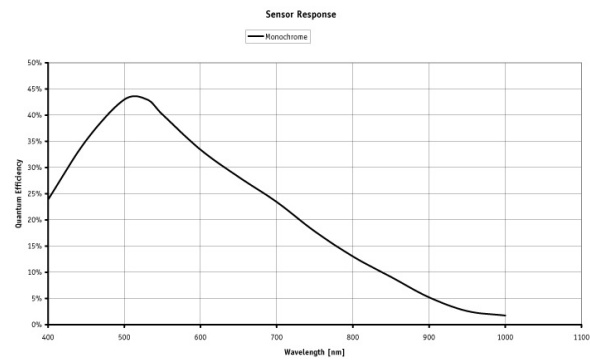
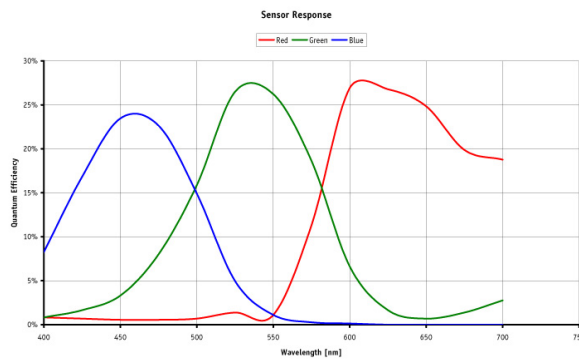
The Guppy PRO F-146B/C is a 1394b camera with Sony's ICX267 CCD sensor. At full resolution, it runs 17 fps. Guppy PRO cameras have an ultra-compact, robust metal housing and a very attractive price.

- 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  $\mu$ s - 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