

Guppy F-146



Description

Very compact 1394a camera - attractive price - 1.4 Megapixel, Sony ICX267

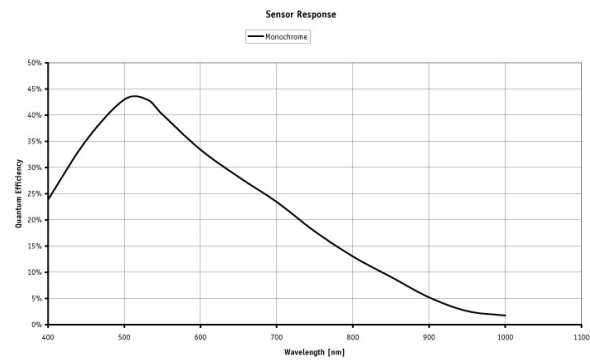
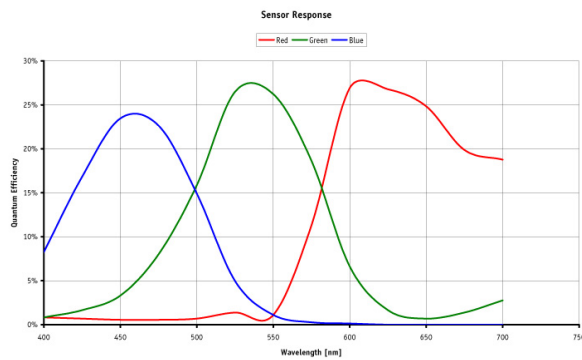
The Guppy F-080B/C is a very compact, economically priced camera with a sensitive Sony CCD sensor (Sony ICX267). At full resolution, it runs at up to 17.7 fps. Higher frame rates can be reached by a smaller AOI.

- Sony ICX267
- Trigger
 - Edge mode, level mode, bulk trigger, programmable trigger delay
- Options
 - Various IR cut/pass filters
 - CS-Mount
 - White medical housing

Specifications

| Guppy F-146 | |
|---|------------------------------------|
| Interface | IEEE 1394a - 400 Mb/s, 1 port |
| Resolution | 1392 x 1040 |
| 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 | Mono8 |
| Color modes YUV | n/a |
| Color modes RGB | n/a |
| Raw modes | Raw8 |
| General purpose inputs/outputs (GPIOs) | |
| TTL I/Os | 1 input, 3 outputs |
| Opto-coupled I/Os | 0 |
| RS-232 | 1 |
| Power/Mass/Dimensions/Regulations | |
| Power requirements (DC) | 8 V - 36 V |
| Power consumption (12 V) | <2 W |
| Mass | 50 g |
| Body Dimensions (L x W x H in mm) | 48.2 x 30 x 30 mm incl. connectors |
| Regulations | CE, FCC Class B, RoHS |

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



Smart features

- Programmable LUT
- Gain
 - Auto/manual
 - Manual gain control: 0 - 24 dB
- Exposure
 - Auto/manual
 - Exposure time: 40 μ s - 67 s
- Separate AOI for auto functions
- Auto white balance

Applications

The Guppy F-146B/C has a very economical price, is ultra-compact and fits a large variety of applications:

- Machine vision
- Quality control
- Robotics
- Industrial inspection
- Security and surveillance
- ... and many more