



Guppy PRO F-125

Description

FireWire camera - ICX445 CCD

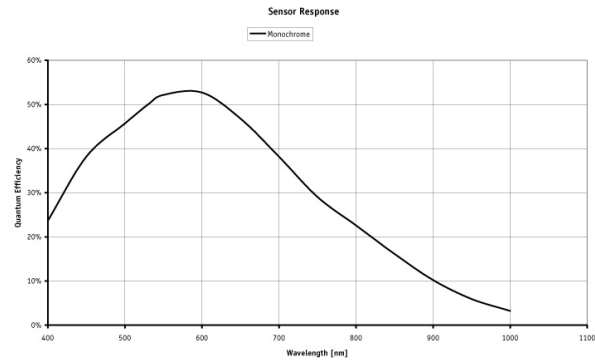
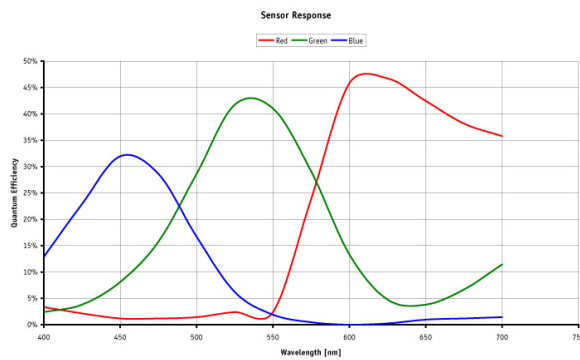
The Guppy PRO F-125B/C is a FireWire camera (1394b) with the sensitive ICX445 CCD sensor and an ultra-compact housing. At full resolution, it runs 30 fps.

- Sony ICX445 [EXview](#) HAD 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-125
Interface	IEEE 1394b - 800 Mb/s, 1 port	
Resolution	1292 x 964	
Sensor	Sony ICX445	
Sensor type	CCD Progressive	
Sensor size	Type 1/3	
Cell size	3.75 µm	
Lens mount	C	
Max frame rate at full resolution	30 fps	
A/D	14 bit	
	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)	
Opto-coupled I/Os	1/3	
	Operating conditions/Dimensions	
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: 35 μ s - 67 s
- Binning (2 x 2 b/w)
- Sub-Sampling (2 x 2 b/w)

Applications

This FireWire camera is equipped with a sensitive ExView HAD CCD sensor. With its ultra-compact housing, the Guppy PRO F-125B/C can easily be integrated into your application.

Typical applications:

- Machine vision
- Robotics
- Logistics
- Security and Surveillance
- Healthcare
- Ophthalmology
- Pharmaceutical industry
- Food inspection
- Motion analysis
- ITS/Traffic monitoring