Guppy PRO F-125

Description
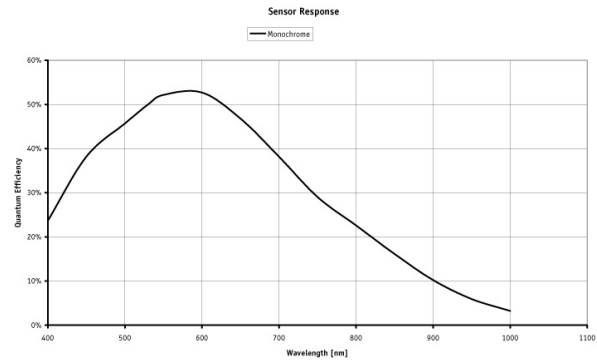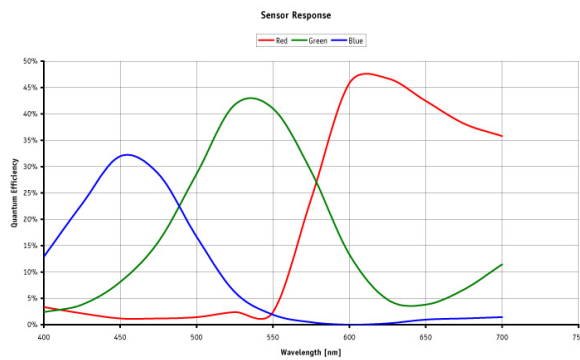
FireWire camera - ICX445 CCD

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	1296 x 966
Sensor	Sony ICX445
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
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: 35 µs - 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