



## Description

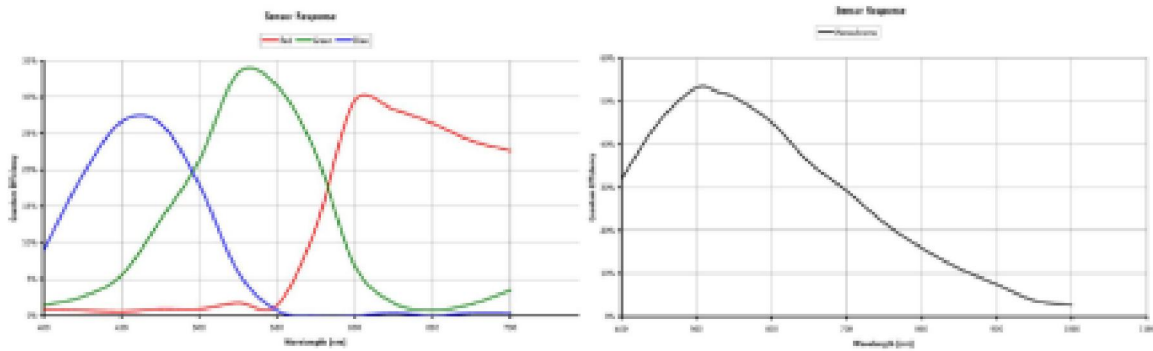
### Industrial camera with ICX424 and 1394b interface

The Guppy PRO F-032B/C is an industrial camera with Sony's ICX424 CCD sensor and a fast 1394b interface. At full resolution, it runs 79 fps. Guppy PRO cameras have an excellent price/performance ratio.

- Sony ICX424 CCD sensor (VGA)
- 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-032
<b>Interface</b>	IEEE 1394b - 800 Mb/s, 1 port
<b>Resolution</b>	656 x 492
<b>Sensor</b>	Sony ICX424
<b>Type</b>	CCD Progressive
<b>Sensor Size</b>	Type 1/3
<b>Cell size</b>	7.4 $\mu$ m
<b>Lens mount</b>	C
<b>Max frame rate at full resolution</b>	79 fps
<b>A/D</b>	12 bit
<b>On-board FIFO</b>	0 MB
<b>Output</b>	
<b>Bit depth</b>	8-12 bit
<b>Mono modes</b>	8/12/16
<b>Color modes YUV</b>	411/422
<b>Color modes RGB</b>	RGB8
<b>Raw modes</b>	8/12/16
<b>General purpose inputs/outputs (GPIOs)</b>	
<b>TTL I/Os</b>	0
<b>Opto-coupled I/Os</b>	1/3
<b>RS-232</b>	0
<b>Power/Mass/Dimensions/Regulations</b>	
<b>Power requirements (DC)</b>	8 V - 36 V
<b>Power consumption (12 V)</b>	3 W
<b>Mass</b>	80 g
<b>Body Dimensions (L x W x H in mm)</b>	44.8 x 29 x 29 mm incl. connectors
<b>Regulations</b>	CE, FCC Class B, RoHS



## 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: 27  $\mu$ s - 67 s
- Binning (2 x 2 b/w)
- Sub-Sampling (2 x 2 b/w)



SEEING IS BELIEVING

## Applications

The Guppy PRO F-032B/C is an ultra-compact 1394b camera for a large variety of industrial applications:

- Machine vision
- Robotics
- Logistics
- Security and Surveillance
- Healthcare
- Pharmaceutical industry
- Food inspection
- Motion analysis
- ... and more