



## Guppy F-038



- IEEE 1394a camera
- Lightweight
- Robust design
- Machine vision camera

## Description

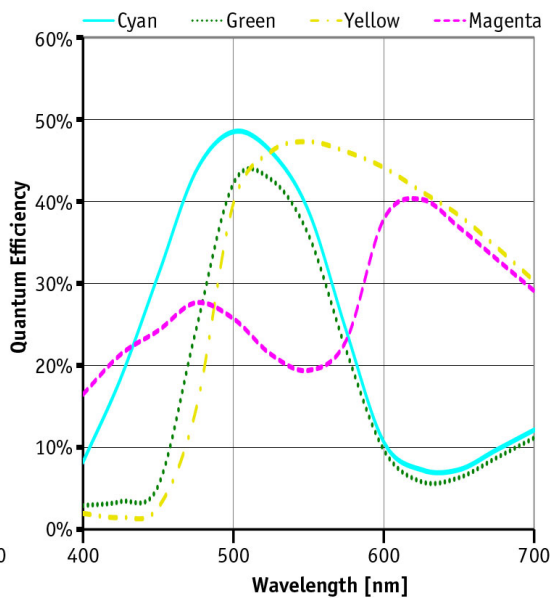
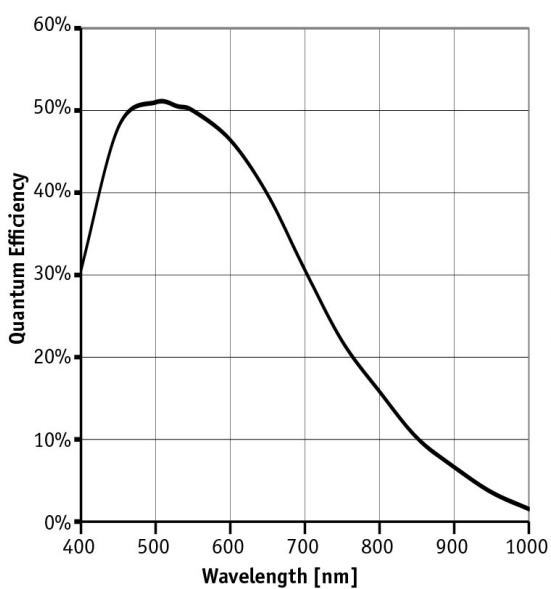
Sensitive machine vision camera, 0.4 Megapixel, interlaced sensor

The Guppy F-038B/F-038C is equipped with a sensitive interlaced sensor - which makes the move from analog to digital machine vision cameras very easy. At full resolution, it runs at up to 30 frames per second. Higher frame rates can be reached by a smaller area of interest (AOI).

## Specifications

Guppy	F-038
インターフェイス	IEEE 1394a - 400 Mb/s, 1 port
解像度	768 (H) × 492 (V)
センサー	Sony ICX418
Sensor type	CCD Interlaced
センサーサイズ	Type 1/2
ピクセルサイズ	8.4 μm × 9.8 μm
レンズマウント (標準搭載)	C-Mount, CS-Mount
フレームレート (フル解像度)	30 fps
ADC	12 bit
Image buffer (RAM)	
	Output
Bit depth	8 bit
ビデオフォーマット(Mono)	Mono8
ビデオフォーマット(RGB)	n/a
ビデオフォーマット(Raw)	Raw8
	General purpose inputs/outputs (GPIOs)
TTL I/Os	1 input, 3 outputs

Guppy	F-038
RS232	1
Operating conditions/dimensions	
Operating temperature	+5 °C to +45 °C
Power requirements (DC)	8 V to 36 V
消費電力	<2 W (@ 12 VDC)
Mass	50 g
Body dimensions (L × W × H in mm)	48.2 × 30 × 30 (including connectors)
Regulations	CE: 2014/30/EU (EMC), 2011/65/EU (RoHS); FCC Class B



## Features

- Look-up table (LUT)
- Area of interest (AOI), separate AOI for auto features
- Auto gain (0 to 24 dB)
- Auto exposure (62  $\mu$ s to 67 s)
- Auto white balance
- Storable user sets

## Technical drawing





## Applications

Thanks to its sensitive interlaced sensor, the Guppy F-038B/F-038C is a very cost-effective, easy solution for the switch from analog to digital machine vision cameras.

- Machine vision
- Quality control
- Robotics
- Industrial inspection
- Security and surveillance
- ITS/Traffic monitoring