



## Guppy F-038



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

## Description

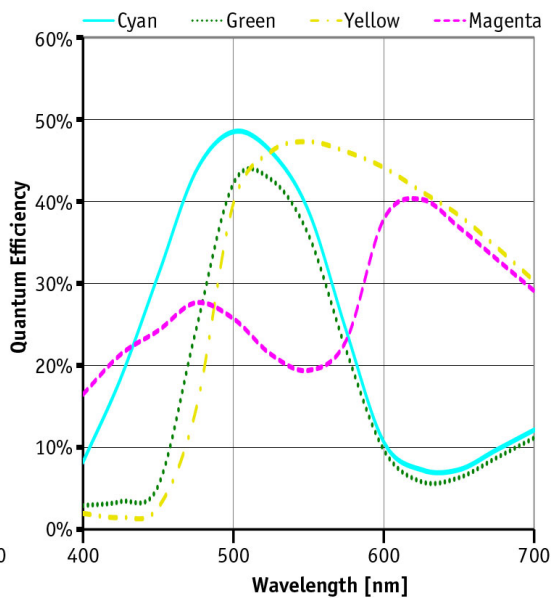
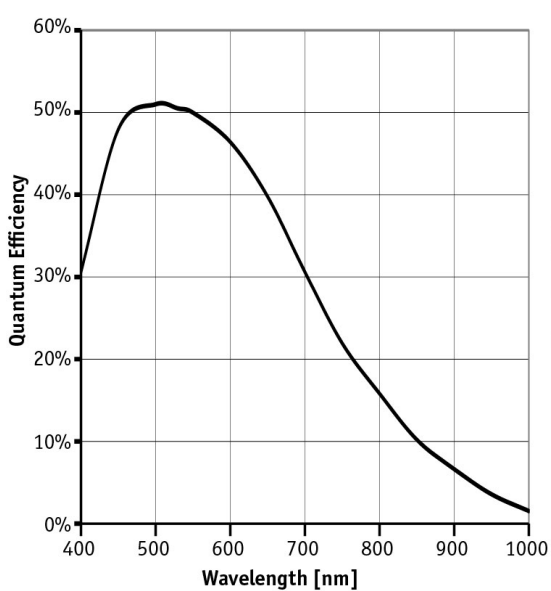
Sensitive machine vision camera, 0.4 Megapixel, interlaced sensor

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