



## Guppy PRO

### F-032



- Compact VGA camera
- Robust metal housing
- Sony ICX424 CCD sensor
- Optocoupled I/Os

Industrial camera with Sony ICX424 and IEEE 1394b interface

The Guppy PRO F-032B/F-032C is an industrial camera with Sony's ICX424 CCD sensor and a fast IEEE 1394b interface. At full resolution, it runs 82 frames per second. Guppy PRO cameras have an excellent price/performance ratio.

Options

- Various IR cut/pass filters
- White medical housing

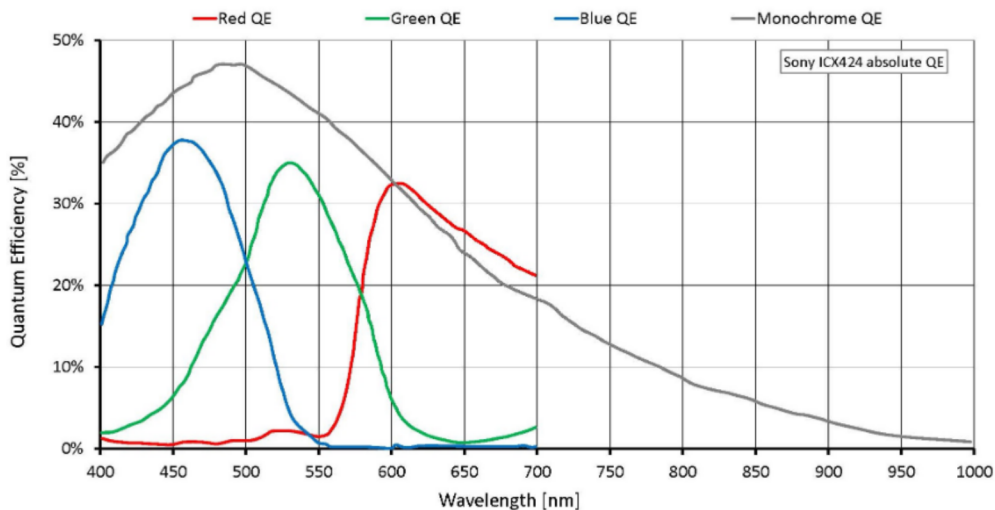
## Specifications

| Guppy PRO                          | F-032                         |
|------------------------------------|-------------------------------|
| Interface                          | IEEE 1394b - 800 Mb/s, 1 port |
| Resolution                         | 656 (H) × 492 (V)             |
| Sensor                             | Sony ICX424                   |
| Sensor type                        | CCD Progressive               |
| Sensor size                        | Type 1/3                      |
| Pixel size                         | 7.4 μm × 7.4 μm               |
| Lens mount (default)               | C-Mount                       |
| Max. frame rate at full resolution | 82 fps                        |
| ADC                                | 12 Bit                        |
| Output                             |                               |
| Bit depth                          | 8-12 Bit                      |
| Monochrome pixel formats           | 8/12/16                       |
| RGB color pixel formats            | RGB8                          |
| Raw pixel formats                  | 8/12/16                       |

General purpose inputs/outputs (GPIOs)

|                                        |                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------|
| <b>Guppy PRO</b>                       | <b>F-032</b>                                                                          |
| Opto-isolated I/Os                     | 1/3                                                                                   |
| <b>Operating conditions/dimensions</b> |                                                                                       |
| Operating temperature                  | +5 °C to +45 °C                                                                       |
| Power requirements (DC)                | 8 V to 36 V                                                                           |
| Power consumption                      | <3.5 W (@ 12 VDC)                                                                     |
| Mass                                   | 80 g                                                                                  |
| Body dimensions (L × W × H in mm)      | 44.8 × 29 × 29 (including connectors)                                                 |
| Regulations                            | CE: 2014/30/EU (EMC), 2011/65/EU, including amendment 2015/863/EU (RoHS); FCC Class B |

## Quantum efficiency



## Features

- Look-up table (LUT)
- Gamma correction
- Color correction
- Area of interest (AOI), separate AOI for auto features
- Binning
- Sub-sampling
- Auto gain (manual gain control: 0 to 24.4 dB)
- Auto exposure (37 μs to 67 s)
- Trigger programmable, level, single, bulk, programmable delay

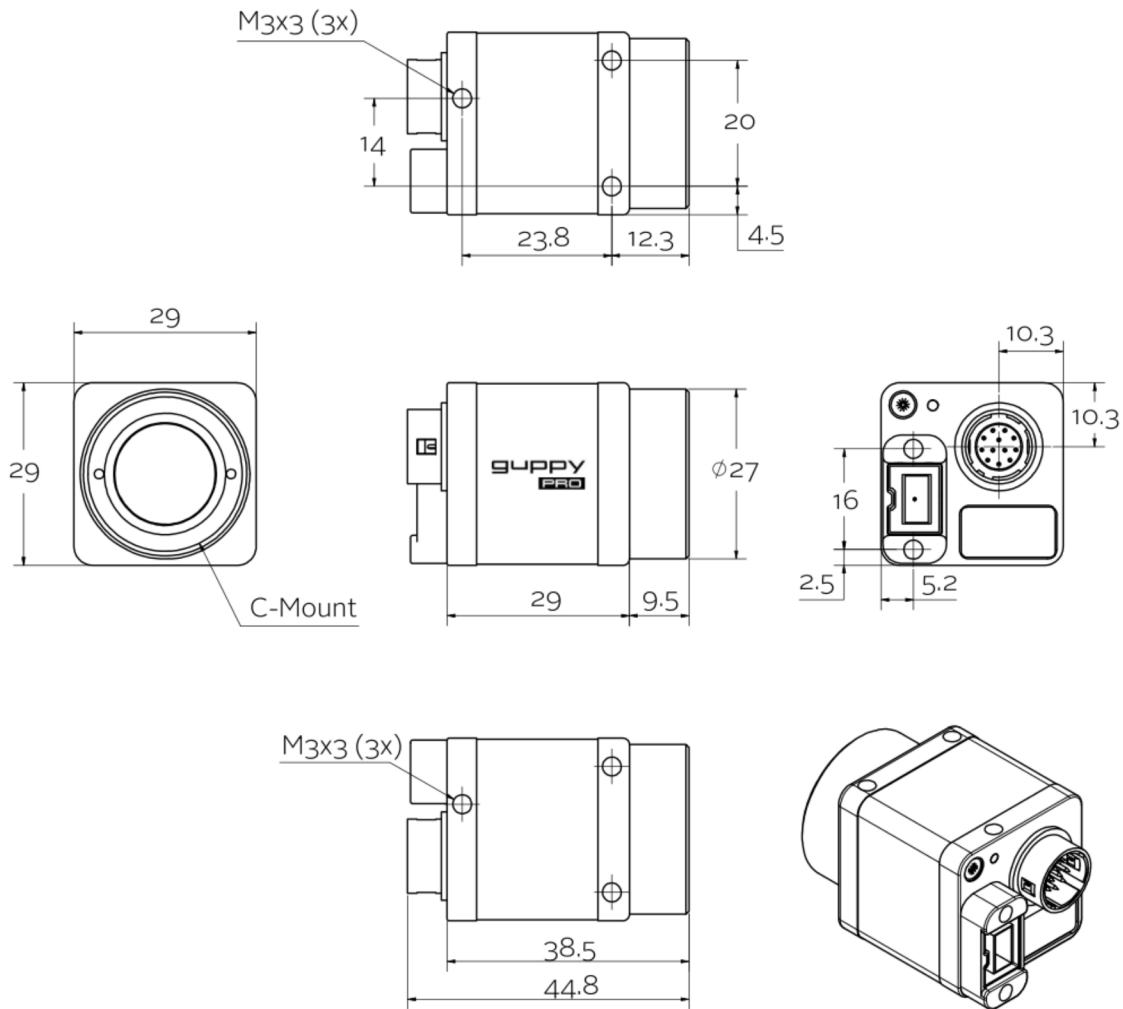


- Storable user sets

## Scope of delivery

- Camera and IEEE 1394b cable (other configurations on request)

Technical drawing





## Applications

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

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