



# Guppy PRO

## F-125



- Compact 1.2 MP camera
- Robust metal housing
- 31 fps
- Optocoupled I/Os

## Description

IEEE 1394b FireWire camera - Sony ICX445 CCD

The Guppy PRO F-125B/F-125C is a FireWire camera (IEEE 1394b) with the sensitive Sony ICX445 CCD sensor and an ultra-compact housing. At full resolution, it runs 31 frames per second.

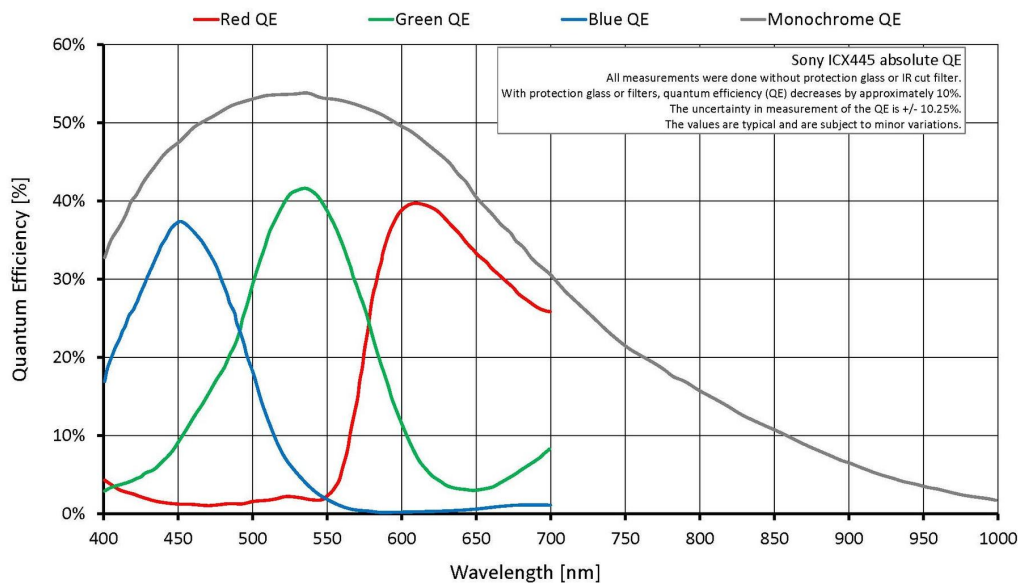
Options

- Various IR cut/pass filters
- White medical housing

## Specifications

<b>Guppy PRO</b>	<b>F-125</b>
Interface	IEEE 1394b - 800 Mb/s, 1 port
Resolution	1292 (H) × 964 (V)
Sensor	Sony ICX445
Sensor type	CCD Progressive
Sensor size	Type 1/3
Pixel size	3.75 μm × 3.75 μm
Lens mount (default)	C-Mount
Max. frame rate at full resolution	31 fps
ADC	14 bit
Image buffer (RAM)	
	<b>Output</b>
Bit depth	8-14 bit
Monochrome pixel formats	8/12/16
RGB color pixel formats	RGB8

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Raw pixel formats	8/12/16
<b>General purpose inputs/outputs (GPIOs)</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 (RoHS); FCC Class B



## Features

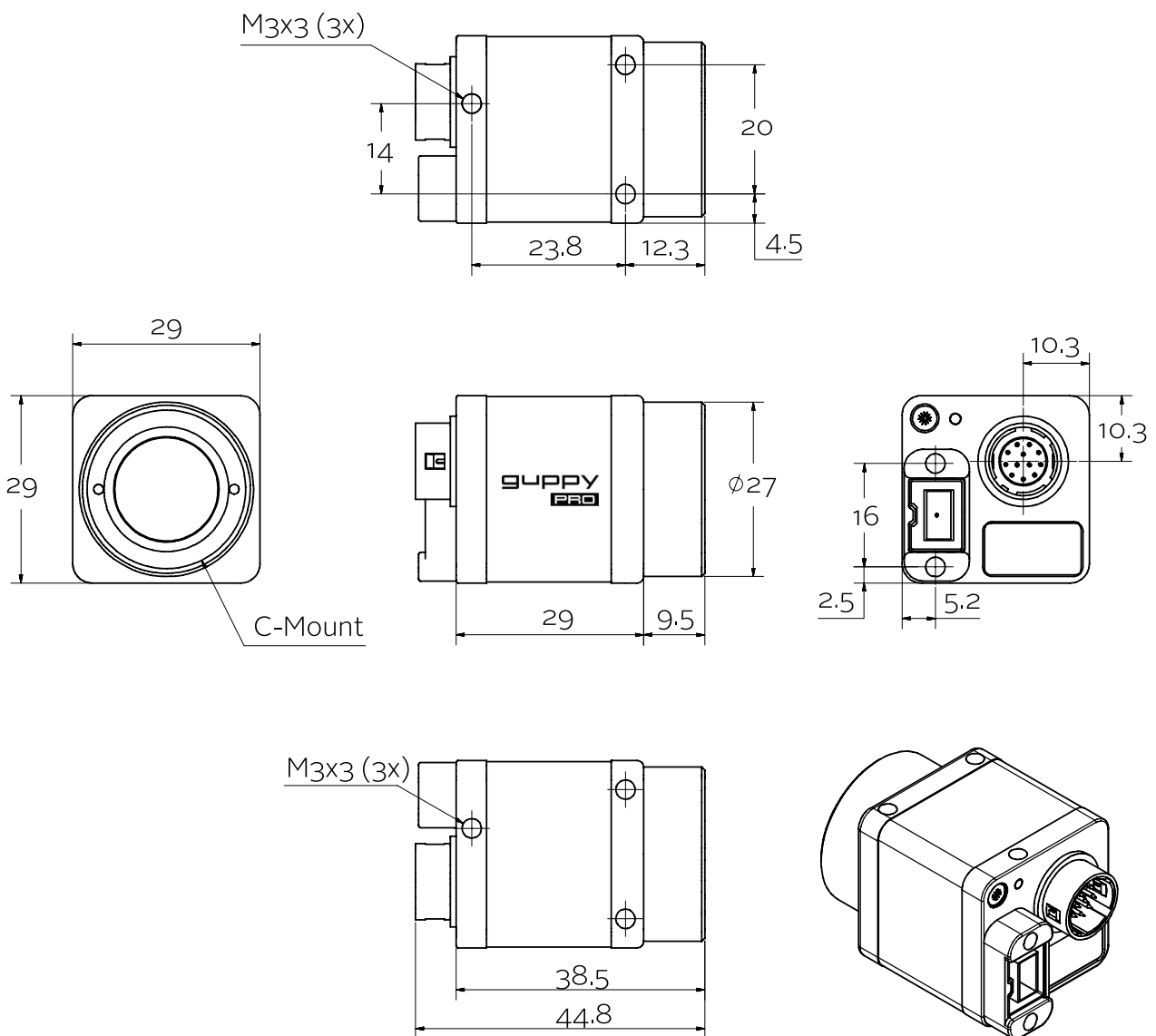
- Look-up table (LUT)
- Gamma correction
- Color correction
- Area of interest (AOI), separate AOI for auto features
- Binning
- Sub-sampling
- Auto gain (manual gain control: 0 to 24.4 dB)
- Auto exposure (39  $\mu$ s to 67 s)
- Trigger programmable, level, single, bulk, programmable delay

- Storable user sets

## Scope of delivery

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

## Technical drawing





## Applications

This FireWire camera is equipped with a sensitive Sony EXview HAD CCD sensor. With its ultra-compact housing, the Guppy PRO F-125B/F-125C 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