Allied Vision

FireWire

Guppy PRO

F-146

- Compact 1.4 MP camera
- Robust metal housing
- 17 fps
- Optocoupled I/Os

IEEE 1394b camera with Sony ICX267 - attractive price

The Guppy PRO F-146B/F-146C is a IEEE 1394b camera with Sony's ICX267 CCD sensor. At full resolution, it runs 17 frames per second. Guppy PRO cameras have an ultra-compact, robust metal housing and a very attractive price.
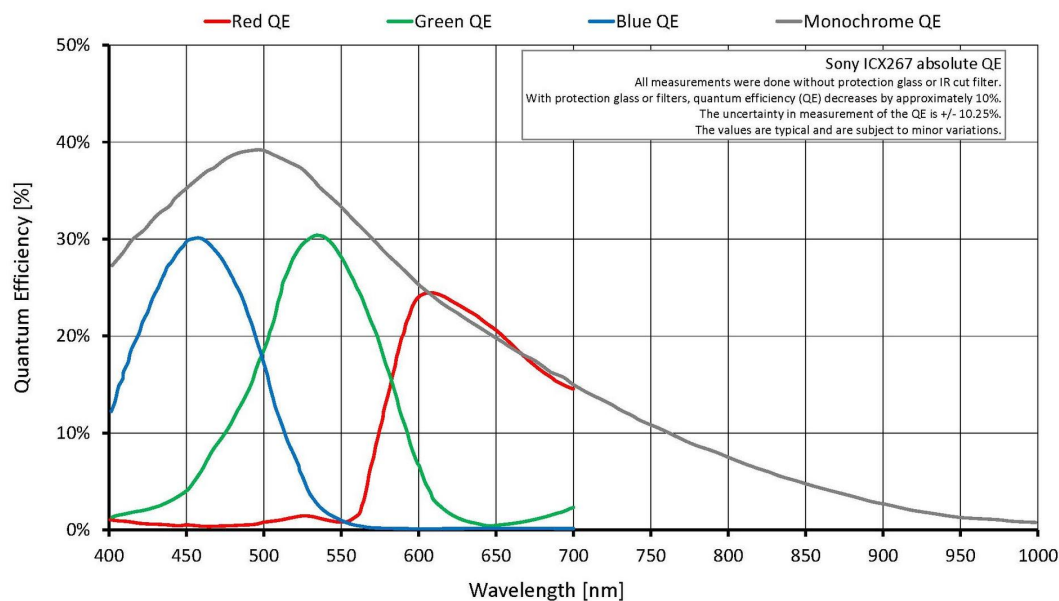Options

- Various IR cut/pass filters
- White medical housing

Specifications

Guppy PRO	F-146
Interface	IEEE 1394b - 800 Mb/s, 1 port
Resolution	1388 (H) × 1038 (V)
Sensor	Sony ICX267
Sensor type	CCD Progressive
Sensor size	Type 1/2
Pixel size	4.65 µm × 4.65 µm
Lens mount (default)	C-Mount
Max. frame rate at full resolution	17 fps
ADC	12 bit
Image buffer (RAM)	
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)	

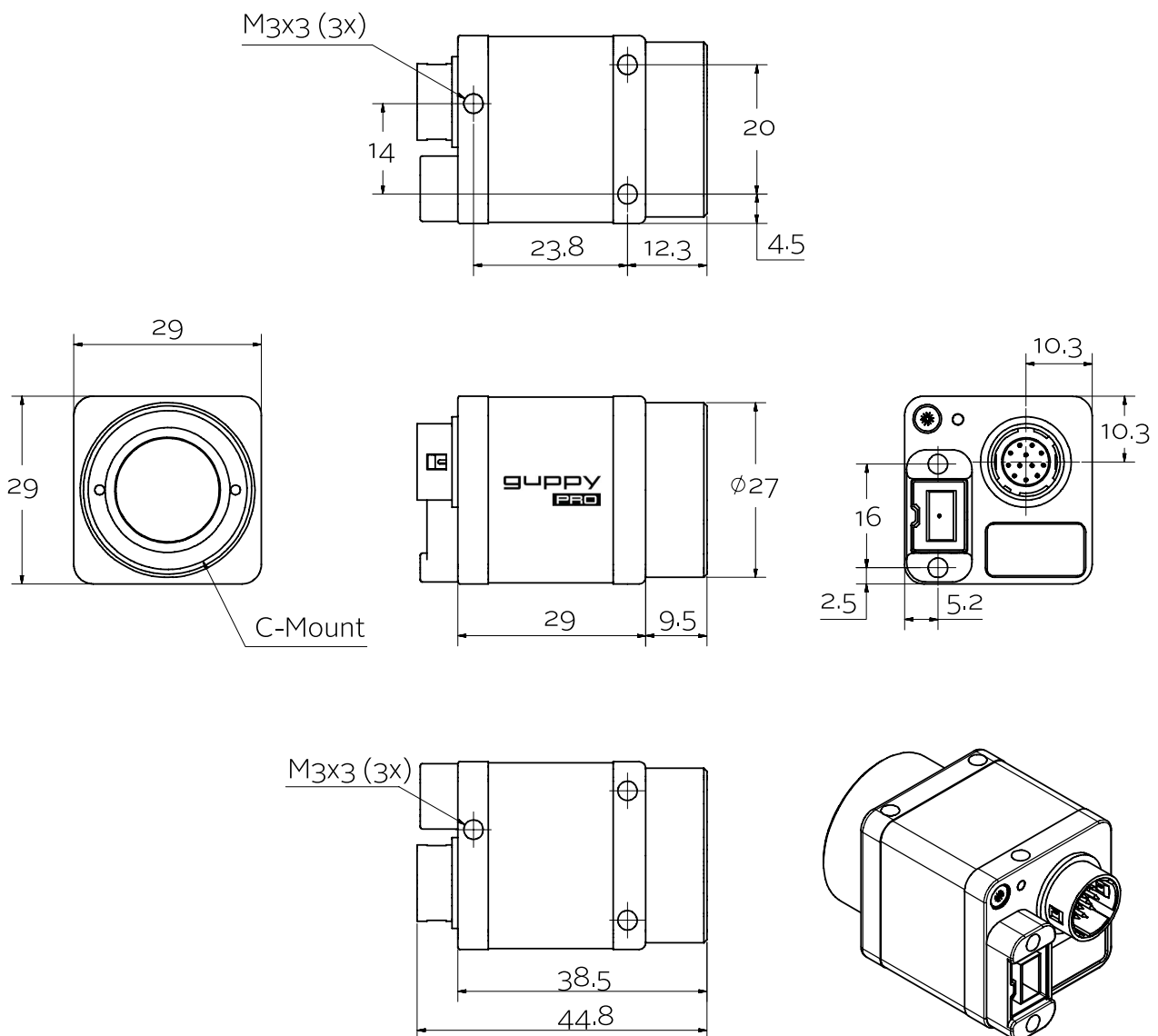| Guppy PRO	F-146
Opto-isolated I/Os	1/3
Operating conditions/dimensions	
Operating temperature	+5 °C to +45 °C
Power requirements (DC)	8 V to 36 V
Power consumption	<3.5 W (@ 12 VDC)
Mass	80 g
Body dimensions (L × W × H in mm)	44.8 × 29 × 29 (including connectors)
Regulations	CE: 2014/30/EU (EMC), 2011/65/EU, including amendment 2015/863/EU (RoHS); FCC Class B

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 (45 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

M3x3 (3x)

14

20

23.8   12.3   4.5

29

29

C-Mount

guppy PRO

29   9.5

Ø27

10.3

10.3

16

2.5   5.2

M3x3 (3x)

38.5

44.8

Applications

The Guppy PRO F-146B/F-146C is a very compact, robust IEEE 1394b camera. It suits for several applications:

- Machine vision
- Robotics
- Logistics
- Healthcare and medical imaging
- Pharmaceutical industry
- Multimedia
- Event documentation
- ITS/Traffic monitoring