Allied Vision

Guppy PRO
F-201

- Compact 2 MP camera
- Robust metal housing
- Sony ICX274
- Optocoupled I/Os

2 Megapixel camera, Sony ICX274, attractive price

The Guppy PRO F-201B/F-201C is a 2 Megapixel IEEE 1394b camera with a robust metal housing and Sony's ICX274 sensor. At full resolution, it runs 14 frames per second.
Options

- Various IR cut/pass filters
- White medical housing

Specifications

Guppy PRO	F-201
Interface	IEEE 1394b - 800 Mb/s, 1 port
Resolution	1624 (H) × 1234 (V)
Sensor	Sony ICX274
Sensor type	CCD Progressive
Sensor size	Type 1/1.8
Pixel size	4.4 µm × 4.4 µm
Lens mount (default)	C-Mount
Max. frame rate at full resolution	14 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

Guppy PRO	F-201	
General purpose inputs/outputs (GPIOs)		
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	

Quantum efficiency
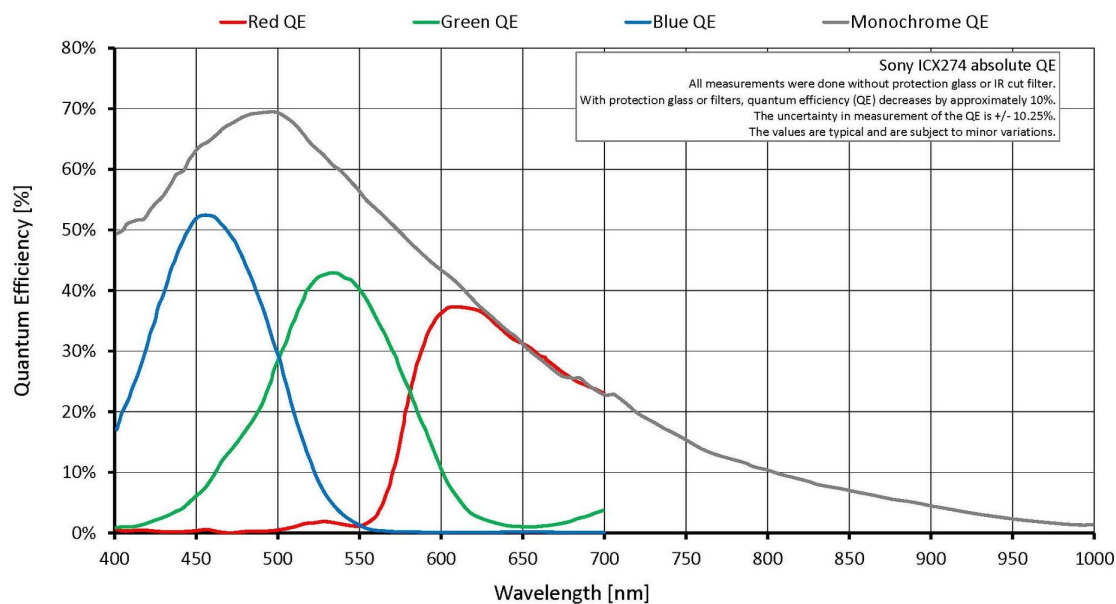
Features

- Look-up table (LUT)
- Gamma correction
- Color correction
- Area of interest (AOI), separate AOI for auto features
- Binning
- Sub-sampling
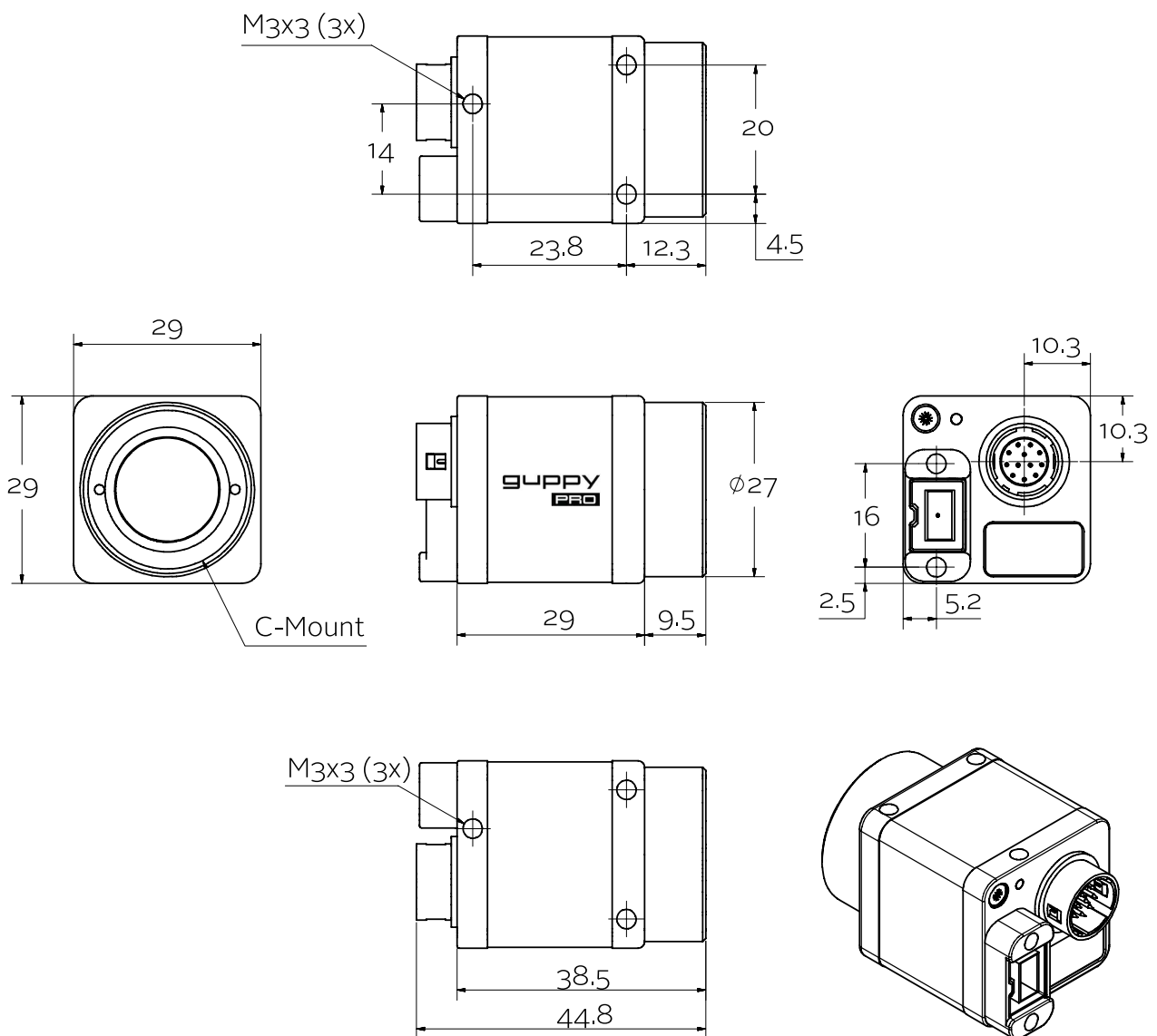- Auto gain (manual gain control: 0 to 24.4 dB)
- Auto exposure (55 µs to 67 s)

- 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

23.8 12.3

20

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-201B/F-201C suits particularly well for applications with space constraints. Besides this, it has an excellent price/performance ratio.
Typical applications:

- Machine vision
- Robotics
- Logistics
- Pharmaceutical industry
- Multimedia
- ITS/traffic monitoring