



## Guppy F-080

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

### Description

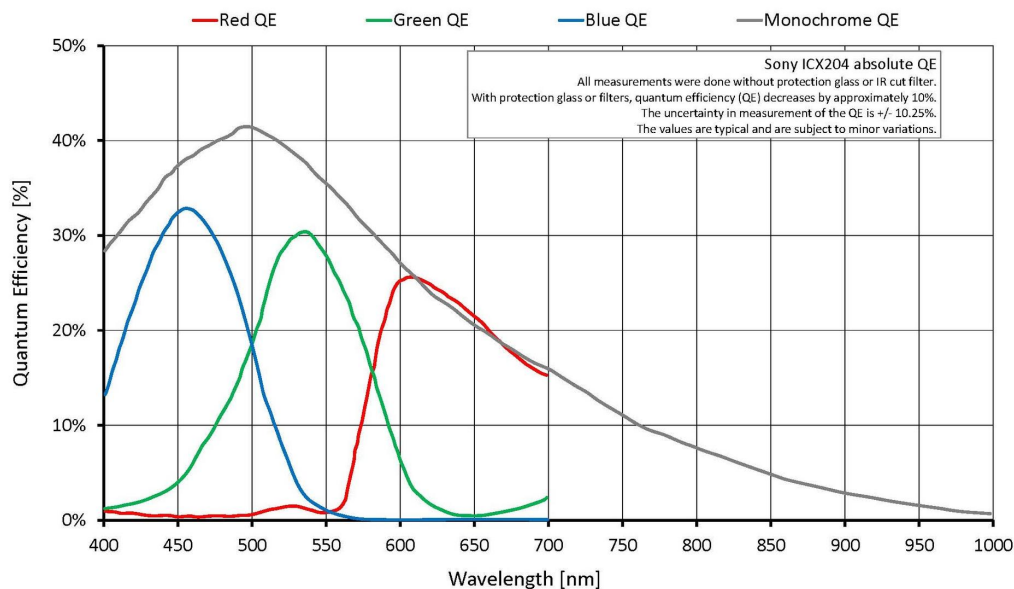
FireWire camera - very compact - attractive price - Sony ICX204

The Guppy F-080B/F-080C FireWire camera is very compact, economically priced and includes the sensitive Sony ICX204 CCD sensor. At full resolution, this FireWire camera runs at up to 30 frames per second. Higher frame rates can be reached by a smaller area of interest (AOI).

### Specifications

<b>Guppy</b>	<b>F-080</b>
Interface	IEEE 1394a - 400 Mb/s, 1 port
Resolution	1032 (H) × 778 (V)
Sensor	Sony ICX204
Sensor type	CCD Progressive
Sensor size	Type 1/3
Pixel size	4.65 μm × 4.65 μm
Lens mount (default)	C-Mount, CS-Mount
Max. frame rate at full resolution	30 fps
ADC	12 bit
Image buffer (RAM)	
	<b>Output</b>
Bit depth	8 bit
Monochrome pixel formats	Mono8
RGB color pixel formats	n/a
Raw pixel formats	Raw8
	<b>General purpose inputs/outputs (GPIOs)</b>
TTL I/Os	1 input, 3 outputs

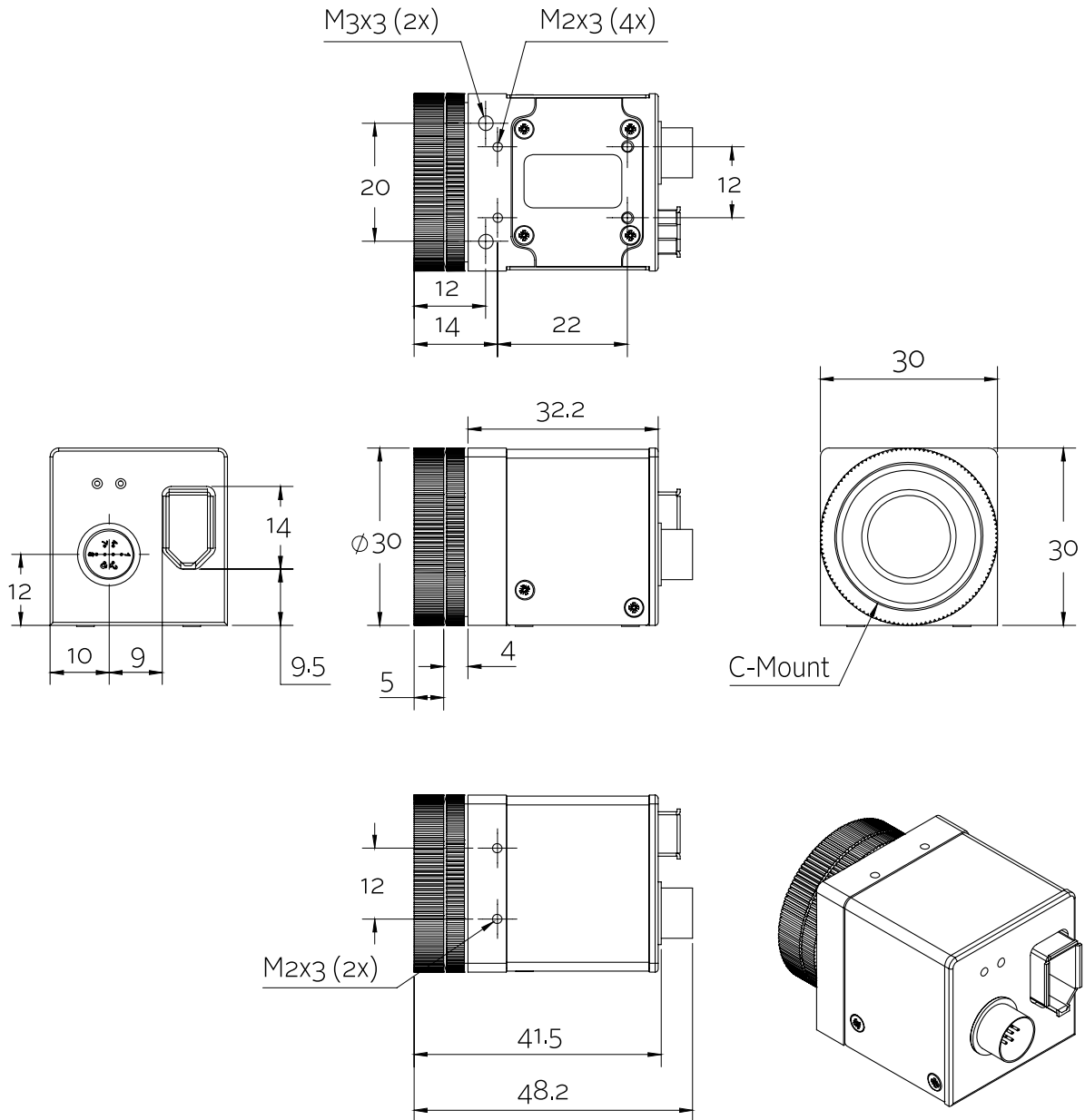
Guppy	F-080
RS232	1
Operating conditions/dimensions	
Operating temperature	+5 °C to +45 °C
Power requirements (DC)	8 V to 36 V
Power consumption	<2 W (@ 12 VDC)
Mass	50 g
Body dimensions (L × W × H in mm)	48.2 × 30 × 30 (including connectors)
Regulations	CE: 2014/30/EU (EMC), 2011/65/EU (RoHS); FCC Class B



## Features

- Look-up table (LUT)
- Area of interest (AOI), separate AOI for auto features
- Auto gain (0 to 24 dB)
- Auto exposure (54  $\mu$ s to 67 s)
- Auto white balance
- Storable user sets

## Technical drawing





## Applications

The Guppy F-080B/F-080C is a compact mainstream FireWire camera with a very good pricing - it fits for many applications:

- Machine vision
- Quality control
- Robotics
- Industrial inspection
- Security
- ITS/Traffic monitoring