



Guppy F-038

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

Description

Sensitive machine vision camera, 0.4 Megapixel, interlaced sensor

The Guppy F-038B/C is equipped with a sensitive **interlaced** sensor - which makes the move from analog to digital machine vision cameras very easy. Additionally, with the Guppy F-038B/C NIR, a version with enhanced NIR sensitivity is available. At full resolution, it runs at up to 30 fps. Higher frame rates can be reached by a smaller AOI.

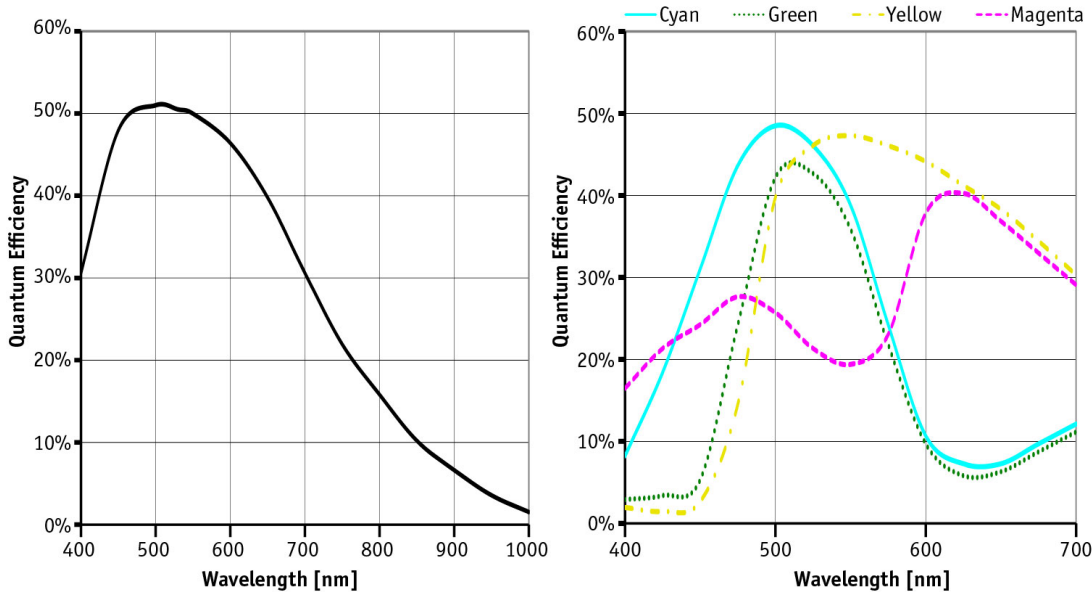
Options

- Various IR cut/pass filters
- White medical housing

Specifications

Guppy	F-038
Interface	IEEE 1394a - 400 Mb/s, 1 port
Resolution	768 × 492
Sensor	Sony ICX418
Sensor type	CCD Interlaced
Sensor size	Type 1/2
Cell size	8.4 x 9.8
Lens mount	C
Max frame rate at full resolution	30 fps
ADC	12 bit
On-board FIFO	0 Mbyte
Output	
Bit depth	8 bit

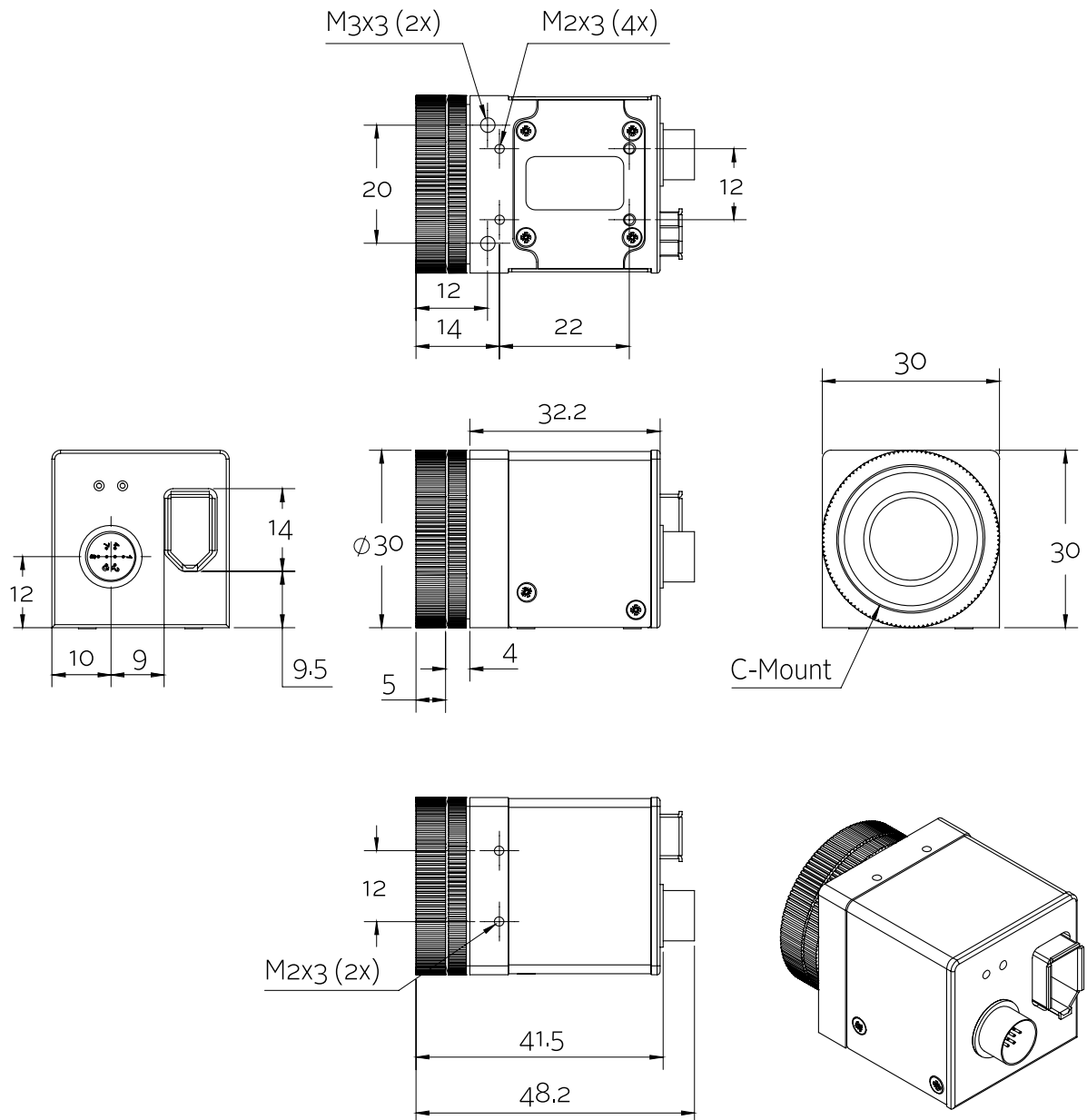
Guppy	F-038
Mono modes	Mono8
Color modes RGB	n/a
Raw modes	Raw8
General purpose inputs/outputs (GPIOs)	
TTL I/Os	1 input, 3 outputs
RS-232	1
Operating conditions/dimensions	
Power requirements (DC)	8 V - 36 V
Power consumption (@12 V)	<2 W
Mass	50 g
Body dimensions (L × W × H in mm)	48.2 × 30 × 30 mm incl. connectors
Regulations	CE, FCC Class B, RoHS



Features

- LUT (look-up table)
- ROI, separate ROI for auto features
- Auto gain (0 to 24 dB)
- Auto exposure (62 μ s to 67 s)
- Auto white balance
- Storable user sets

Technical drawing





Applications

Thanks to its sensitive interlaced sensor, the Guppy F-038B/C is a very cost-effective, easy solution for the switch from analog to digital machine vision cameras. The Guppy F-038B/C NIR version has enhanced near infrared sensitivity.

- Machine vision
- Quality control
- Robotics
- Industrial inspection
- Security and surveillance
- ITS/Traffic monitoring
- ... and many more