# Allied Vision

**FireWire**

# Guppy
## F-080

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

## Description

FireWire camera - very compact - attractive price - Sony ICX204

The Guppy F-080B/C 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 fps. Higher frame rates can be reached by a smaller AOI.
Options

- Various IR cut/pass filters
- White medical housing

## Specifications

| Guppy | F-080 |
|---|---|
| Interface | IEEE 1394a - 400 Mb/s, 1 port |
| Resolution | 1032 × 778 |
| Sensor | Sony ICX204 |
| Sensor type | CCD Progressive |
| Sensor size | Type 1/3 |
| Cell size | 4.65 µm |
| Lens mount | C |
| Max frame rate at full resolution | 30 fps |
| ADC | 12 bit |
| On-board FIFO | 0 Mbyte |
| **Output** | |
| Bit depth | 8 bit |
| Mono modes | Mono8 |

| Guppy | F-080 |
|---|---|
| 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 |
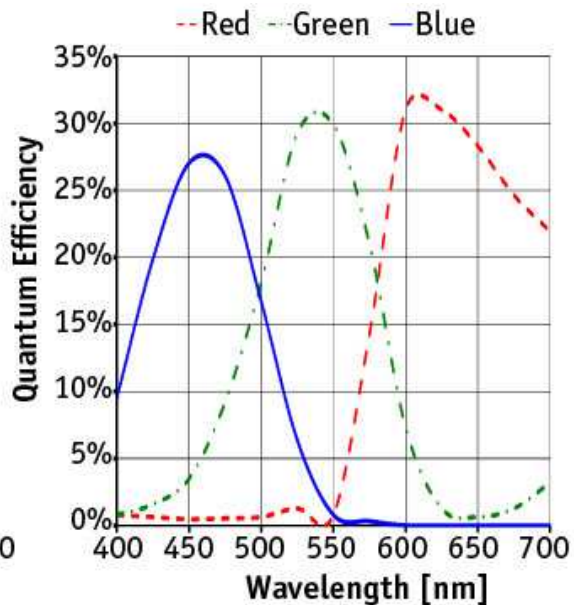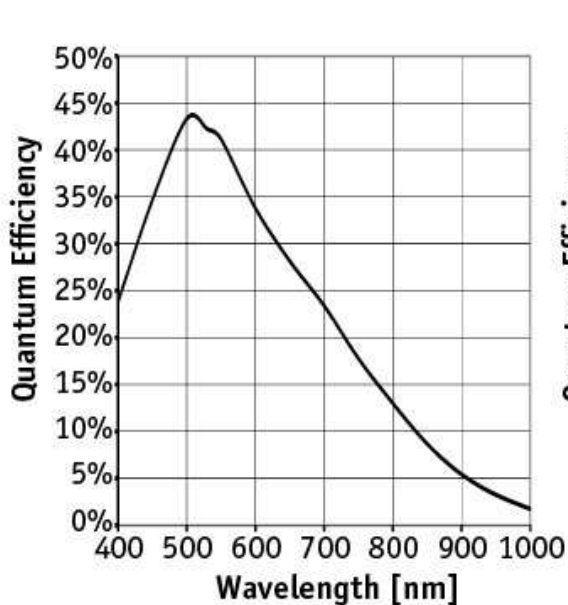


# Features

- LUT (look-up table)
- ROI, separate ROI for auto features
- Auto gain (0 to 24 dB)
- Auto exposure (54 μs to 67 s)
- Auto white balance
- Storable user sets

# Technical drawing

M3x3 (2x)  M2x3 (4x)

20

12

12

14

22

32.2

Ø30

5

4

14

12

10   9

9.5

30

30

C-Mount

M2x3 (2x)

12

41.5

48.2

НАУЧНОЕ ОБОРУДОВАНИЕ
ГРУППА КОМПАНИЙ
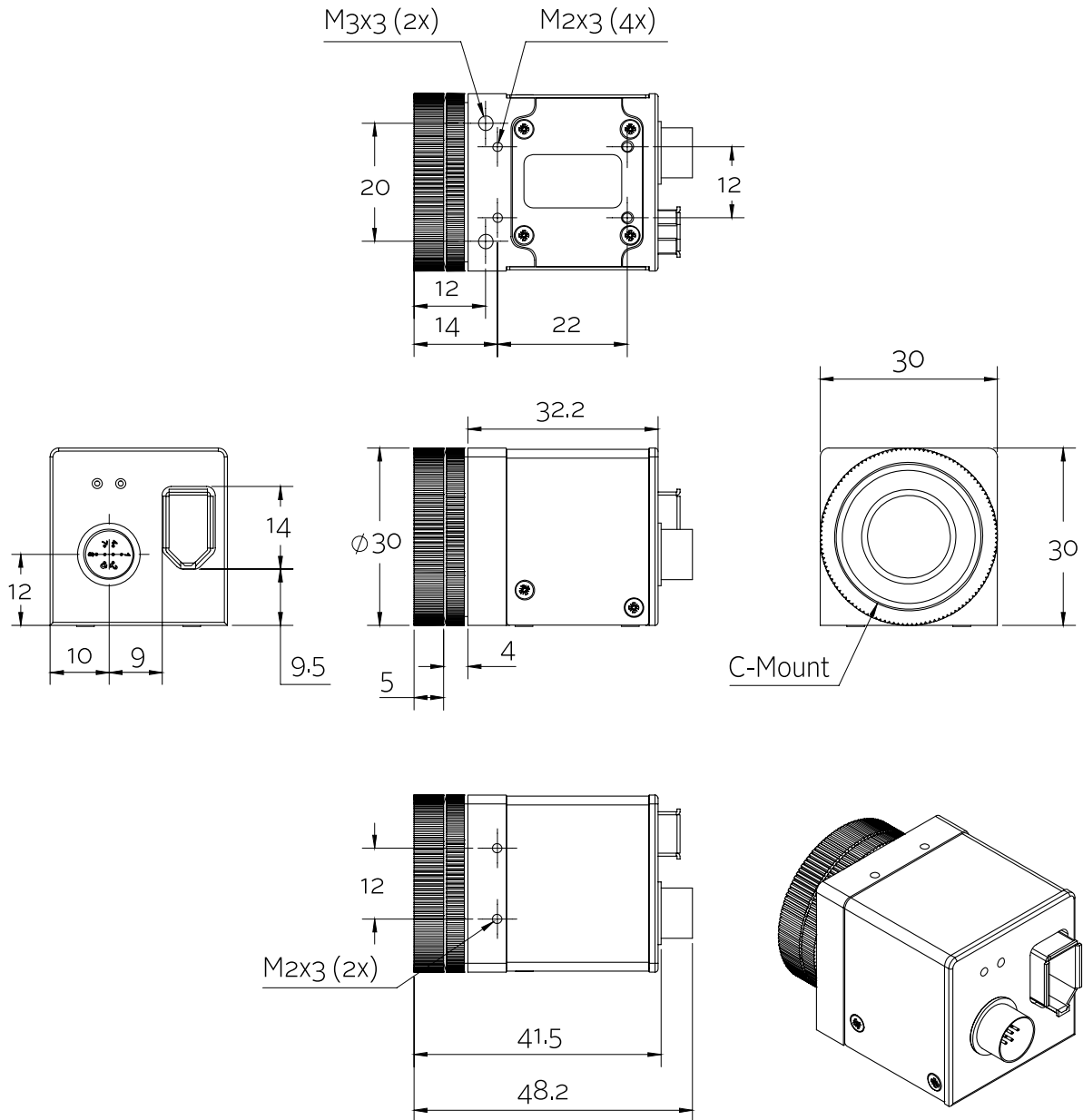
# Applications

The Guppy F-080B/C 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
- ... and many more