



Guppy F-503



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

基本描述

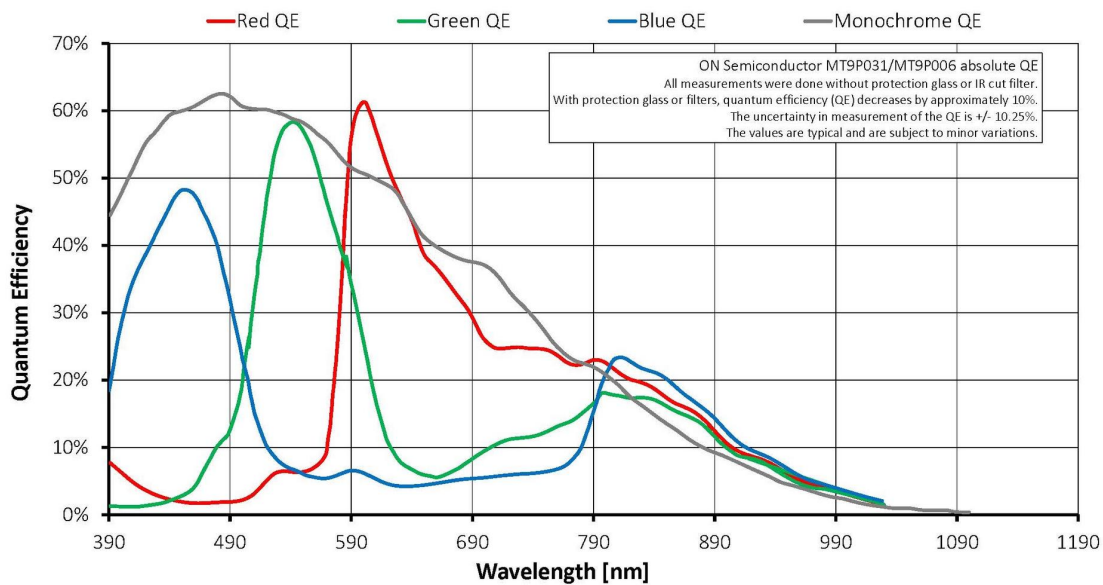
Very compact 5 Megapixel CMOS camera - attractive price - FireWire

The Guppy F-503B/F-503C is a very compact, economically priced camera with a CMOS sensor (no blooming). At full resolution, it runs up to 6.5 frames per second. Higher frame rates can be reached by a smaller area of interest (AOI), binning, or sub-sampling.

性能参数

| | |
|-----------|-------------------------------|
| Guppy | F-503 |
| 接口 | IEEE 1394a - 400 Mb/s, 1 port |
| 分辨率 | 2592 (H) × 1944 (V) |
| 传感器 | ON Semi MT9P031 |
| 传感器类型 | CMOS |
| 传感器尺寸 | Type 1/2.5 |
| 像元尺寸 | 2.2 μm × 2.2 μm |
| 标准镜头接口 | C-Mount, CS-Mount |
| 最大满帧帧率 | 6 fps |
| ADC | 12 bit |
| 缓存 (RAM) | |
| | 输出 |
| Bit位数 | 8/12 bit |
| 黑白像素格式 | Mono8, Mono12, Mono16 |
| RGB彩色像素格式 | n/a |
| 原始像素格式 | Raw8, Raw12, Raw16 |
| | 通用输入输出(GPIOs) |
| TTL I/Os | 1 input, 3 outputs |

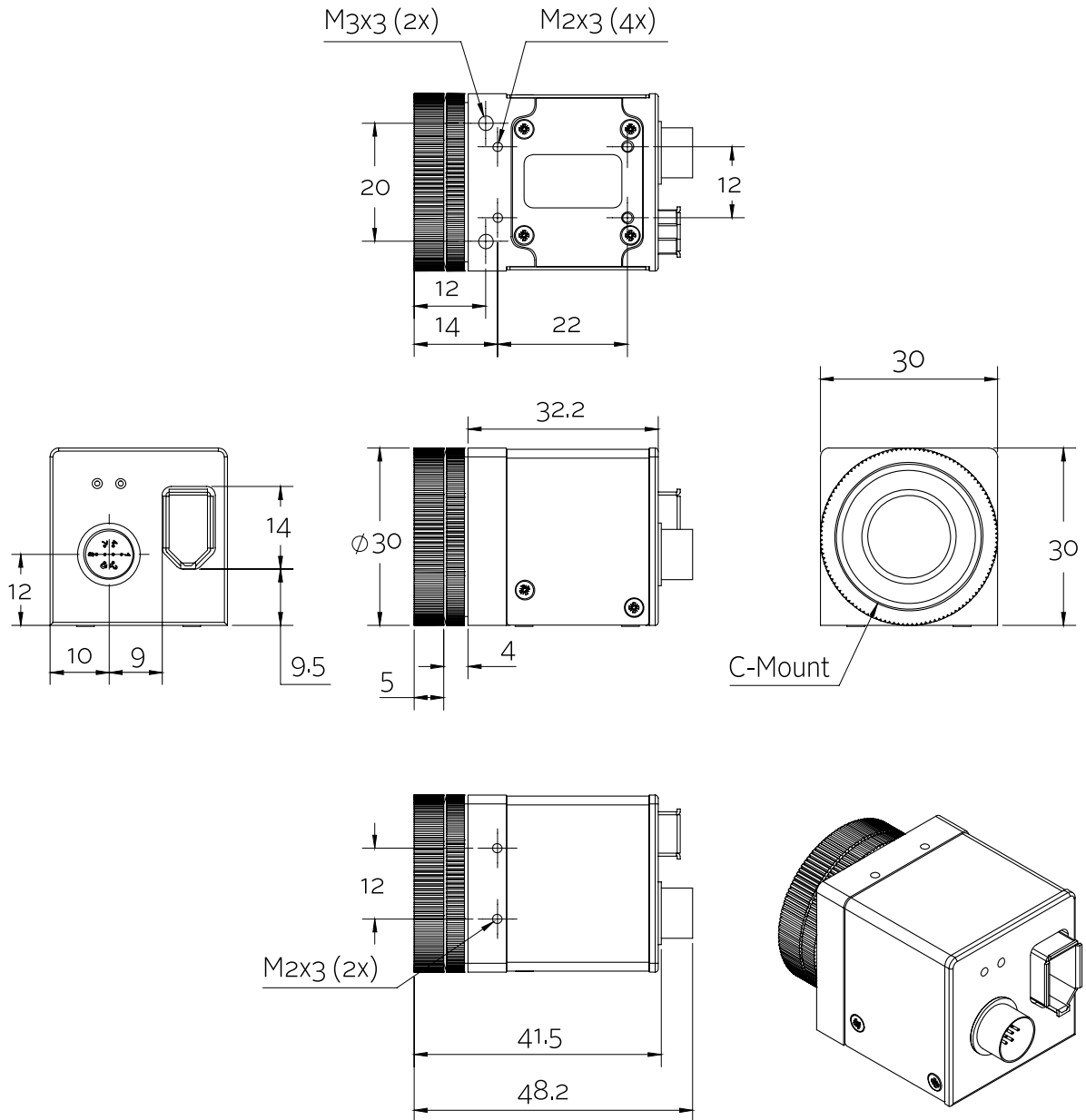
| | |
|---------------------|--|
| Guppy | F-503 |
| RS232 | 1 |
| 工作条件/尺寸 | |
| 工作温度 | +5 °C to +45 °C |
| 电源要求 (DC) | 8 V to 36 V |
| 功耗 | <2 W (@ 12 VDC) |
| 重量 | 50 g |
| 尺寸(L × W × H in mm) | 48.2 × 30 × 30 (including connectors) |
| 符合规范 | CE: 2014/30/EU (EMC), 2011/65/EU (RoHS); FCC Class B |



特性

- High Dynamic Range (HDR) mode
- Defect pixel correction
- Reverse X/Y
- Look-up table (LUT)
- Binning
- Decimation
- Area of interest (AOI), separate AOI for auto features
- Auto gain (0 to 26 dB)
- Auto exposure (41 μ s to 2.3 s)
- Auto white balance
- Storable user sets

外形尺寸





应用场景

The Guppy F-503B/F-503C is an economically priced 5 Megapixel camera; its CMOS sensor has no blooming and features the defect pixel correction mode. This camera fits a variety of applications:

- Quality control
- Industrial inspection
- Security and surveillance
- ITS/Traffic monitoring