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Allied Vision

FireWire

Guppy PRO

F-046



- Compact 0.5 MP camera
- Robust metal housing
- Sony ICX415 sensor
- Optocoupled I/Os

Concentrated simplicity

Guppy PRO – Small economical FireWire camera

Guppy PRO F-046 with Sony ICX415 runs 62 frames per second at 0.5 MP resolution.

The Guppy PRO is Allied Vision's smallest economical FireWire camera. Its ultra-compact and extremely robust industrial housing unites quality with performance and enables it to be integrated in the smallest spaces. The wide range of CCD and CMOS sensors with a range of different resolutions enables you to choose the ideal Guppy PRO for your particular needs.

Easy software integration with Allied Vision's Vimba Suite and compatibility to the most popular third party image-processing libraries.

See the Customization and OEM Solutions webpage for hardware options.

Allied Vision

Specifications

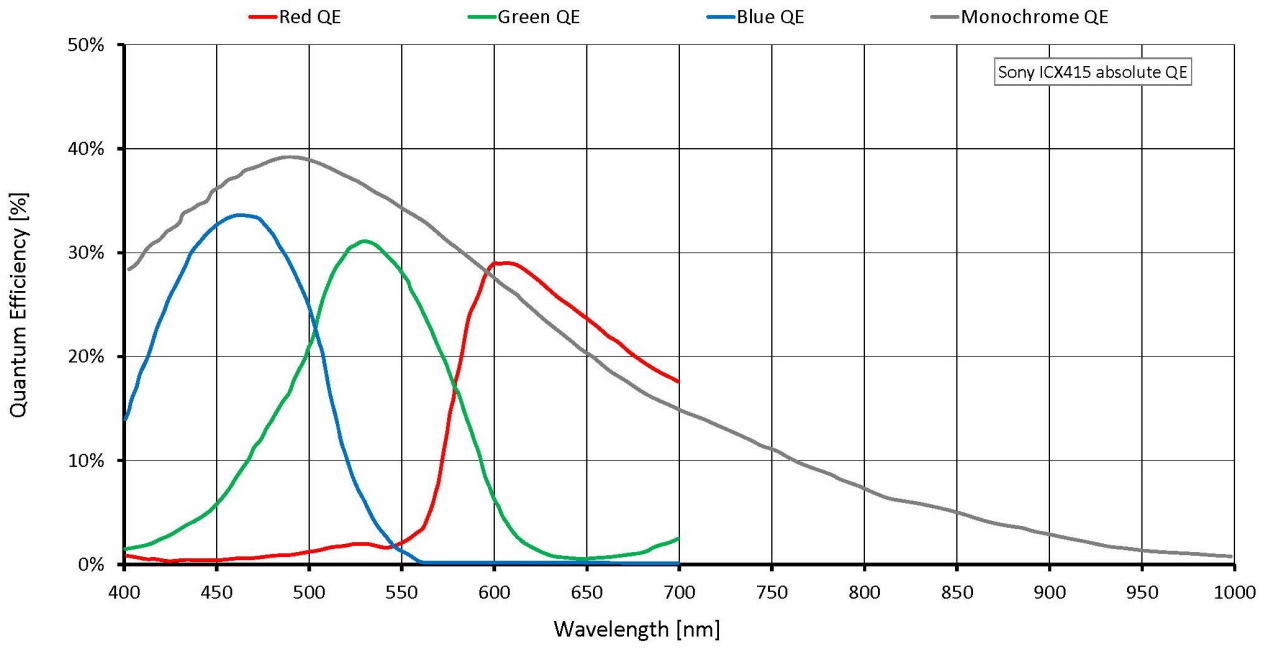
Interface	IEEE 1394b - 800 Mb/s, 1 port
Resolution	780 (H) × 580 (V)
Sensor	Sony ICX415
Sensor type	CCD Progressive
Sensor size	Type 1/2
Pixel size	8.3 µm × 8.3 µm
Lens mount (default)	C-Mount
Max. frame rate at full resolution	62 fps
ADC	14 Bit

Output	
Bit depth	8-bit to 12-bit
Monochrome pixel formats	8/12/16
RGB color pixel formats	RGB8
Raw color pixel formats (Bayer)	8/12/16

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)

Quantum efficiency



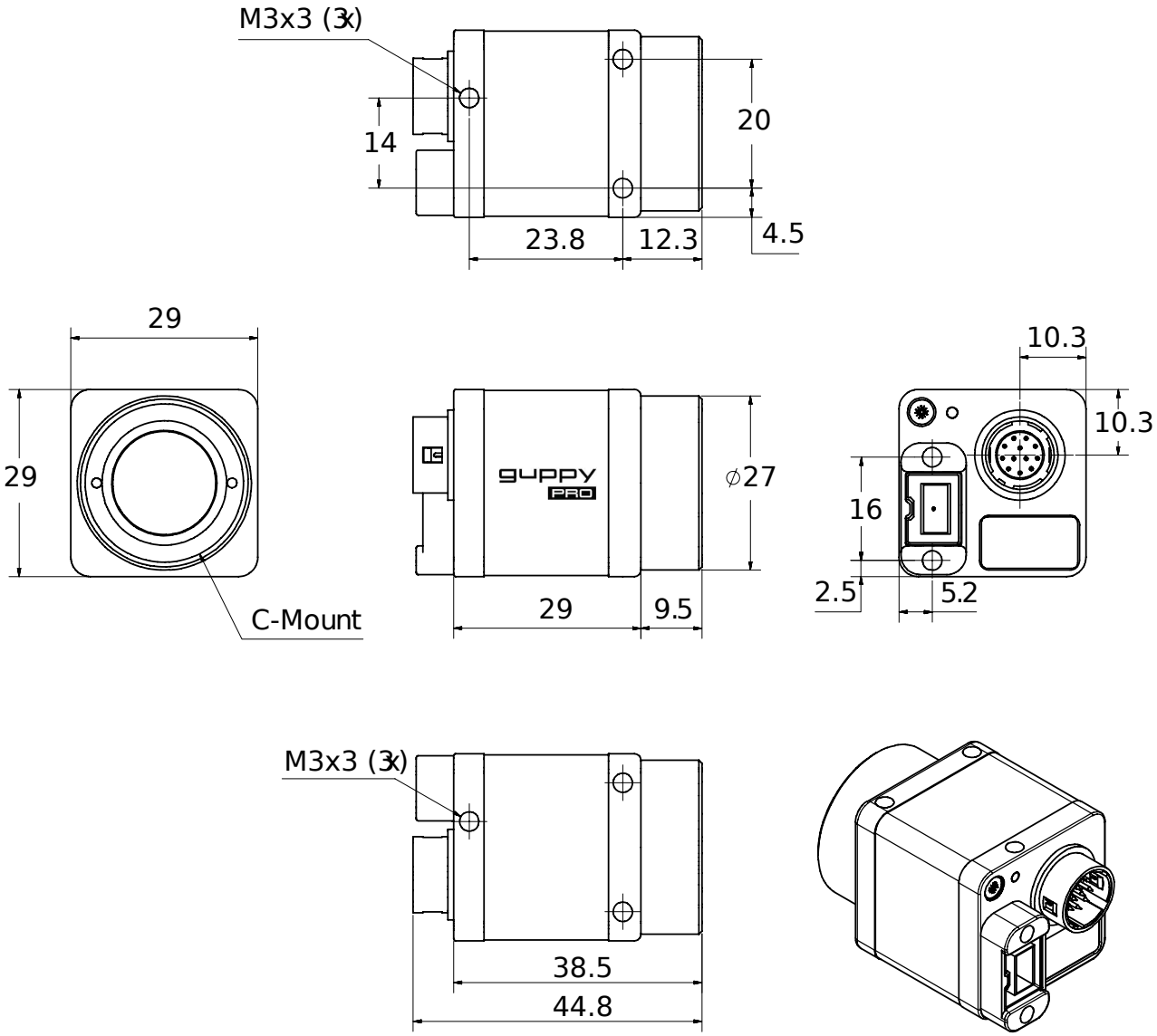
Features

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 (41 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



Applications

This inexpensive, reliable mainstream machine vision camera addresses a wide range of imaging applications. With its ultra-compact housing, the Guppy PRO F-046B/F-046C is the perfect fit for all applications with space constraints.

- Machine vision
- Robotics (robust housing, lightweight camera)
- Quality control
- Semiconductor inspection
- Industrial inspection
- ITS/traffic monitoring

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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