

// ESSENTIAL

Guppy PRO – Concentrated Simplicity



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.

Key facts

- // VGA to 5 Megapixels
- // Sony CCD and OnSemi CMOS sensors
- // Up to 123 fps



Benefits and features

- // Small, lightweight, robust metal housing
- // Optocoupled I/Os
- // Various filter and mount options
- // LUT, gamma, debayering, color correction
- // CMOS: Defect pixel correction, binning, decimation

// SPECIFICATIONS – OUR CAMERAS AT A GLANCE

Guppy PRO



Family-specific:

Interface	IEEE 1394b - 800 Mb/s, 1 port
Operating temperature	+5 °C to +45 °C (ambient)
Power requirements	DC 8 V to 6 V via IEEE 1394b or Hirose
Power consumption	typ. < 3.5 W @ 12 V DC
I/Os	1 in, 3 out, opto-coupled
Dimensions (L x W x H)	44.8 x 29 x 29 mm incl. connectors
Regulations	CE, FCC Class B, RoHS (2011/65/EU)

Model-specific:

	F-031	F-032	F-033	F-046
Sensor	Sony ICX618	Sony ICX424	Sony ICX414	Sony ICX415
Resolution	656 x 492	656 x 492	656 x 492	780 x 580
Megapixels	0.3	0.3	0.3	0.5
Sensor type	1/4 CCD	1/3 CCD	1/2 CCD	1/2 CCD
Max. frame rate	123 fps	82 fps	85 fps	62 fps
Cell size	5.6 µm	7.4 µm	9.9 µm	8.3 µm
Standard mount	C-Mount	C-Mount	C-Mount	C-Mount
Mono/color/NIR variant	yes/yes/no	yes/yes/no	yes/yes/no	yes/yes/no

Model-specific:

	F-125	F-146	F-201	F-503
Sensor	Sony ICX445	Sony ICX267	Sony ICX274	Aptina MT9P031
Resolution	1292 x 964	1388 x 1038	1624 x 1234	2588 x 1940
Megapixels	1.2	1.4	2	5
Sensor type	1/3 CCD	1/2 CCD	1/1.8 CCD	1/2.5 CMOS
Max. frame rate	31 fps	17 fps	14 fps	13 fps
Cell size	3.75 µm	4.65 µm	4.4 µm	2.2 µm
Standard mount	C-Mount	C-Mount	C-Mount	C-Mount
Mono/color/NIR variant	yes/yes/no	yes/yes/no	yes/yes/no	yes/yes/no

Options:

Modular concept	
// Various IR cut/pass filters	// CS/M12
// Hirose power: out	// White medical housing