

Guppy PRO. Small size, big quality.



Guppy PRO



- Very attractive price
- Very small
- Optocoupled 12-pin I/O
- Lightweight, robust metal housing

Guppy PRO

L x W x H = 44.8 x 29 x 29 mm incl. connectors, w/o tripod and lens. Mass 80 g

Model	Interface	Resolution	MPixels	Frame rate	Sensortype	Sensor	Cell size	A/D	Memory
F-031B/C	1394b	656 x 492	0.3	123 fps	1/4 CCD	Sony ICX618	5.6 µm	14 bits	n/a
F-032B/C	1394b	656 x 492	0.3	82 fps	1/3 CCD	Sony ICX424	7.4 µm	12 bits	n/a
F-033B/C	1394b	656 x 492	0.3	85 fps	1/2 CCD	Sony ICX414	9.9 µm	14 bits	n/a
F-046B/C	1394b	780 x 580	0.5	62 fps	1/2 CCD	Sony ICX415	8.3 µm	14 bits	n/a
F-095C	1394b	1280 x 720	0.9	38 fps	1/3 CCD	Sony ICX692	4.08 µm	14 bits	n/a
F-125B/C	1394b	1292 x 964	1.2	31 fps	1/3 CCD	Sony ICX445	3.75 µm	14 bits	n/a
F-146B/C	1394b	1388 x 1038	1.4	17 fps	1/2 CCD	Sony ICX267	4.65 µm	12 bits	n/a
F-201B/C	1394b	1624 x 1234	2	14 fps	1/1.8 CCD	Sony ICX274	4.4 µm	12 bits	n/a
F-503B/C	1394b	2588 x 1940	5	13 fps	1/2.5 CMOS	Aptina MT9P031	2.2 µm	12 bits	n/a

Guppy PRO Cameras

The Guppy PRO is AVT's smallest FireWire camera. It is equipped with a fast 1394b interface and a 12-bit or 14-bit ADC. Like all other AVT cameras, the Guppy PRO has a very robust metal housing with locking screw connectors. Guppy PRO cameras have an outstanding price/performance ratio.

Options

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

Smart Features

- AOI, separate AOI for auto features
- Gain, exposure
- Programmable LUT, gamma
- Debayering, color correction
- Binning (b/w, only Guppy PRO F-503: color binning)
- Sub-sampling (b/w)
- Defect pixel correction (only Guppy PRO F-503)
- Image mirror (only Guppy PRO F-503)

Operating Conditions

Power requirements	DC 8 V - 36 V via 1394 cable or HIROSE
Power consumption	typ. <3.5 W (@ 12 V DC)
Operating temperature	+5 ... +45 °C ambient temperature
Storage temperature	-10 ... +70 °C ambient temperature
Regulations	CE, FCC Class B, RoHS (2011/65/EU)

