

Stingray. Transformer camera.



Stingray



- Excellent image quality
- Advanced feature set
- Modular design: Large choice of variants
- Board level versions available

Stingray

L x W x H = 72.9 x 44 x 29 mm incl. connectors, w/o tripod and lens. Mass 92 g

Model	Interface	Resolution	MPixels	Frame rate	Sensortype	Sensor	Cell size	A/D	Memory
F-033B/C	1394b	656 x 492	0.3	84 fps	1/2 CCD	Sony ICX414	9.9 µm	14 bits	32 MB
F-046B/C	1394b	780 x 580	0.5	61 fps	1/2 CCD	Sony ICX415	8.3 µm	14 bits	32 MB
F-080B/C	1394b	1032 x 776	0.8	31 fps	1/3 CCD	Sony ICX204	4.65 µm	14 bits	32 MB
F-125B/C	1394b	1292 x 964	1.2	30 fps	1/3 CCD	Sony ICX445	3.75 µm	14 bits	32 MB
F-145B/C	1394b	1388 x 1038	1.4	16 fps	2/3 CCD	Sony ICX285	6.45 µm	14 bits	32 MB
F-146B/C	1394b	1388 x 1038	1.4	15 fps	1/2 CCD	Sony ICX267	4.65 µm	14 bits	32 MB
F-201B/C	1394b	1624 x 1234	2	14 fps	1/1.8 CCD	Sony ICX274	4.4 µm	14 bits	32 MB
F-504B/C	1394b	2452 x 2056	5	9 fps	2/3 CCD	Sony ICX655	3.45 µm	14 bits	64 MB

Stingray Cameras

The Stingray is a versatile, powerful FireWire camera even for challenging applications. Its modular and flexible design provides a large choice of variants. Stingray cameras have an excellent image quality and incorporate an advanced set of real-time features.

Options

- Board level versions available
- Modular concept:
 - Various IR cut/pass filters
 - CS/M12-Mount
 - Angled head
 - Hirose power: out
 - 1394b connectors: 2 x copper or 1 x GOF, 1 x copper
 - Compact housing version
 - White medical housing
 - Removed cover glass (Stingray F-145 only)

Smart Features

- AOI, separate AOI for auto features
- Programmable LUT, white balance, hue, saturation
- Gain, exposure
- Debayering, color correction
- Shading correction
- High SNR mode (up to 24 dB better signal-to-noise ratio)
- Sub-sampling, binning (b/w)
- Low-noise binning mode
- Defect pixel correction
- Sequence mode (changes the camera settings on the fly)
- Image mirror
- Deferred image transport
- SIS (Secure Image Signature, enhanced time stamp)
- Storable user settings

Operating Conditions

Power requirements	DC 8 V - 36 V via 1394 cable or HIROSE
Power consumption	typ. < 4 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)