

Pike. High-end FireWire.



- VGA to 16 Megapixels
- Fast frame rates
- Advanced feature set
- Modular design: Large choice of variants

Pike L x W x H = 96.8 x 44 x 44 mm incl. connectors, w/o tripod and lens. Mass = 250 g

Model	Interface	Resolution	MPixels	Frame rate	Sensortype	Sensor	Cell size	A/D	Memory
F-032B/C	1394b	640 x 480	0.3	208 fps	1/3 CCD	Truesense KAI-0340	7.4 µm	14 bits	64 MB
F-100B/C	1394b	1000 x 1000	1	60 fps	2/3 CCD	Truesense KAI-1020	7.4 µm	14 bits	64 MB
F-145B/C	1394b	1388 x 1038	1.4	30 fps	2/3 CCD	Sony ICX285	6.45 µm	14 bits	64 MB
F-210B/C	1394b	1920 x 1080	2	31 fps	1.0 CCD	Truesense KAI-2093	7.4 µm	14 bits	64 MB
F-421B/C	1394b	2048 x 2048	4.2	16 fps	1.2 CCD	Truesense KAI-04022	7.4 µm	14 bits	64 MB
F-505B/C	1394b	2452 x 2054	5	15 fps	2/3 CCD	Sony ICX625	3.45 µm	14 bits	64 MB
F-1100B/C*	1394b	4008 x 2672	11	5 fps	35 mm CCD	Truesense KAI-11002	9.0 µm	14 bits	256 MB
F-1600B/C*	1394b	4872 x 3248	16	3 fps	35 mm CCD	Truesense KAI-16000	7.4 µm	14 bits	256 MB

* F-Mount housing, L x W x H = 137 x 60 x 60 mm. Mass = 380 g

Pike Cameras

Pike cameras include fast Truesense sensors and a rich set of advanced real-time features. The Pike is a very fast IEEE 1394b camera for demanding applications. Pike cameras are available both with daisy-chain copper ports and with copper/GOF (glass optical fiber) ports.

Options

- Modular concept:
 - Various IR cut/pass filters
 - F-Mount (F-032 only: CS-Mount, M12-Mount)
 - Pike F-1100/F-1600: M42/M58-Mount
 - Angled head, white medical housing
 - Hirose power: out
 - 1394b connectors: 2 x copper or 1 x GOF, 1 x copper
- Sensor variants: Taped cover glass w/o microlenses, fixed quartz cover glass w/o microlenses available for some models

Operating Conditions

Power requirements	DC 8 V - 36 V via 1394 cable or HIROSE
Power consumption	typ. < 4 W @ 12 V DC, < 6 W (11/16 MP)
Operating temperature	+5 ... +50 °C housing temperature
Storage temperature	-10 ... +70 °C ambient temperature
Regulations	CE, FCC Class B, RoHS (2011/65/EU)

Smart Features

- Switchable tap readout (only Pike F-1100 and Pike F-1600)
- AOI, separate AOI for auto features
- Programmable LUT
- White balance, hue, saturation
- Gain, exposure
- Color correction
- Shading correction
- High SNR mode (up to 24 dB better signal-to-noise ratio)
- Smear reduction (not Pike F-1100/F-1600)
- Defect pixel correction (only Pike F-1100/F-1600)
- Sub-sampling, 2x - 8x binning (b/w)
- Sequence mode (changes the image settings on the fly)
- Image mirror
- Deferred image transport
- SIS (Secure Image Signature, enhanced time stamp)
- Storable user settings