FLIR

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INDUSTRIAL/MACHINE VISION APPLICATIONS

FLIR BLACKFLY[®]S

P/N BFS-PGE-120S4

SMALL PACKAGE, POWERFUL RESULTS

The Blackfly S is a compact, high performance machine vision camera that allows designers to easily produce the exact images they need. With both automatic and precise manual control over image capture and on-camera pre-processing, the Blackfly S accelerates application development.

www.flir.com/mv

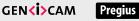
FEATURES

THE LATEST CMOS SENSORS Switch between high sensitivity and low noise, and high saturation capacity and dynamic range with selectable conversion gain.

IMPROVE CYCLE TIMES Automate more with advanced camera controls, event notifications, chunk data, counters and timers.

ACCELERATE YOUR TIME TO MARKET FLIR's GenICam3 API with GUI library, and detailed event logging is supported by comprehensive documentation.

GiG=



AUTOMATED OPTICAL INSPECTION MICROSCOPY ROBOT GUIDANCE

LASER BEAM PROFILING

APPLICATIONS

AUTONOMOUS VEHICLE GUIDANCE

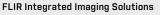
BFS-PGE-120S4M	BFS-PGE-120S4C
4000 x 3000	
10 FPS / 26 FPS with Lossless Compression	
12 MP	
Mono	Color
Sony IMX226	6, CMOS, 1/1.7"
Rolling shutter with global reset	
1.85 µm	
CS-mount / C-mount	
10-bit / 12-bit	
1 FPS	
0 to -	47 dB
15 μs to 30 s	
Continuous, Single Frame, Multi Frame	
Pixel binning,	decimation, ROI
Gamma, lookup table, and sharpness	Color correction matrix, gamma, lookup table, saturation, and sharpness
Up to 8 sets using 5 features	
240 MB	
2 user configuration sets for custom camera settings	
6 MB non-volatile memory	
1 input, 1 output	
1 bi-directional, 1 input	
3.3 V, 120 m	nA maximum
GigE PoE	
Power over Ethernet (PoE), or	12 V nominal (8 - 24 V) via GPIO
3 W maximum	(2.8 W nominal)
29 mm x 29 mr	m x 30 mm / 36 g
Gige Vi	sion v1.2
CE, FCC, KCC, RoHS, REACH. The	e ECCN for this product is: EAR099.
	: 0°C to 50°C
Storage: -	30°C to 60°C
Operating: 20% to 8	30°C to 60°C 0% (no condensation) % (no condensation)
	4000 10 FPS / 26 FPS wi 22 Mono Sony IMX226 Rolling shutter 1.8 CS-moun 10-bit 10-bit 10 to 15 µs Continuous, Single Pixel binning, Gamma, lookup table, and sharpness Up to 8 sets u 244 2 user configuration sets 6 MB non-vo 1 input 1 bi-directi 3.3 V, 120 n Gig Power over Ethernet (PoE), or 3 W maximum 29 mm x 29 mm Gige Vi CE, FCC, KCC, RoHS, REACH. Th





*Frame rates are measured with Device Link Throughput Limit of 125 MBps and Acquisition Frame Rate disabled.

**Values are the same in binning and no binning modes.



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VN: BFS-PGE-120S4-v2

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