

EMVA 1288 IMAGING PERFORMANCE

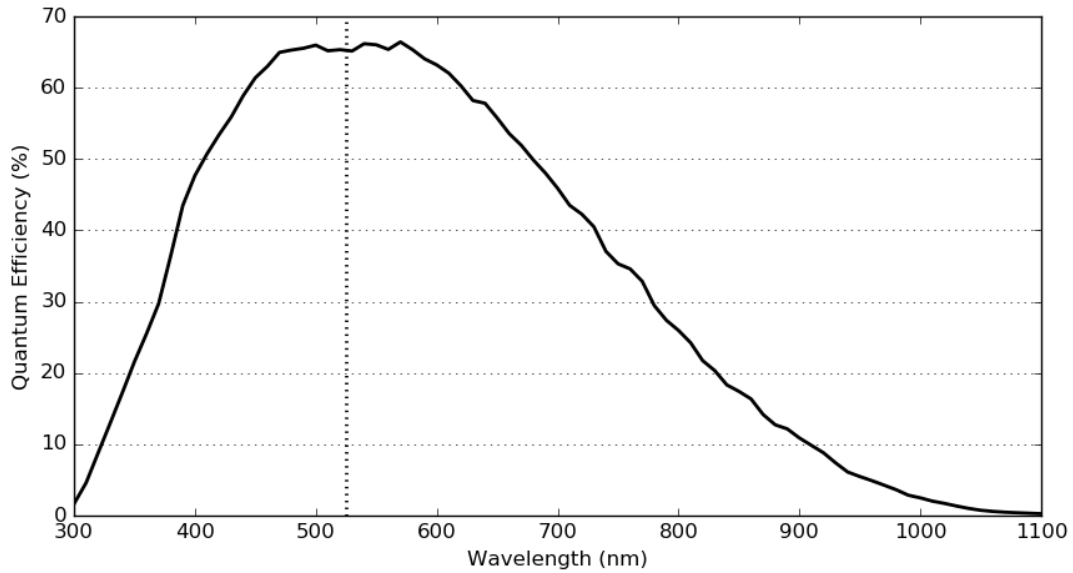
FLIR BLACKFLY[®]S

BFS-PGE-16S2

Measurements are taken based on guidelines in the EMVA 1288 standard; the full definition can be found at EMVA.org. Camera settings are: maximum bit depth, 16-bit pixel format, and ISP disabled. The center wavelength is 525 nm unless otherwise noted. Results are captured at room temperature (20°C). Using FLIR test software version 4.0.

	BFS-PGE-16S2M	BFS-PGE-16S2C
Resolution	1440 x 1080	1440 x 1080
Sensor	Sony IMX273, CMOS, 1/2.9"	Sony IMX273, CMOS, 1/2.9"
Pixel Size (µm)	3.45	3.45
Firmware	1705.0.63.0	1705.0.63.0
ADC	12-bit	12-bit
Quantum Efficiency Mono (% at 530 nm)	65	N/A
Quantum Efficiency Blue (% at 460 nm)	N/A	48
Quantum Efficiency Green (% at 530 nm)	N/A	59
Quantum Efficiency Red (% at 625 nm)	N/A	46
Temporal Dark Noise (Read Noise) (e-)	2.46	2.34
Temporal Dark Noise (Read Noise) (DN)	14.05	13.90
Signal to Noise Ratio Maximum (dB)	40.46	40.23
Signal to Noise Ratio Maximum (Bits)	6.72	6.68
Absolute Sensitivity Threshold (γ)	4.58	4.78
Absolute Sensitivity Threshold (e-)	2.96	2.84
Saturation Capacity (Well Depth) (e-)	11127	10554
Saturation Capacity (Well Depth) (Photons)	17224	17777
Dynamic Range (dB)	71.50	71.40
Dynamic Range (Bits)	11.88	11.86
Gain (e-/ADU)	0.18	0.17

BFS-PGE-16S2M



BFS-PGE-16S2C

