

BLACKFLY[®]S

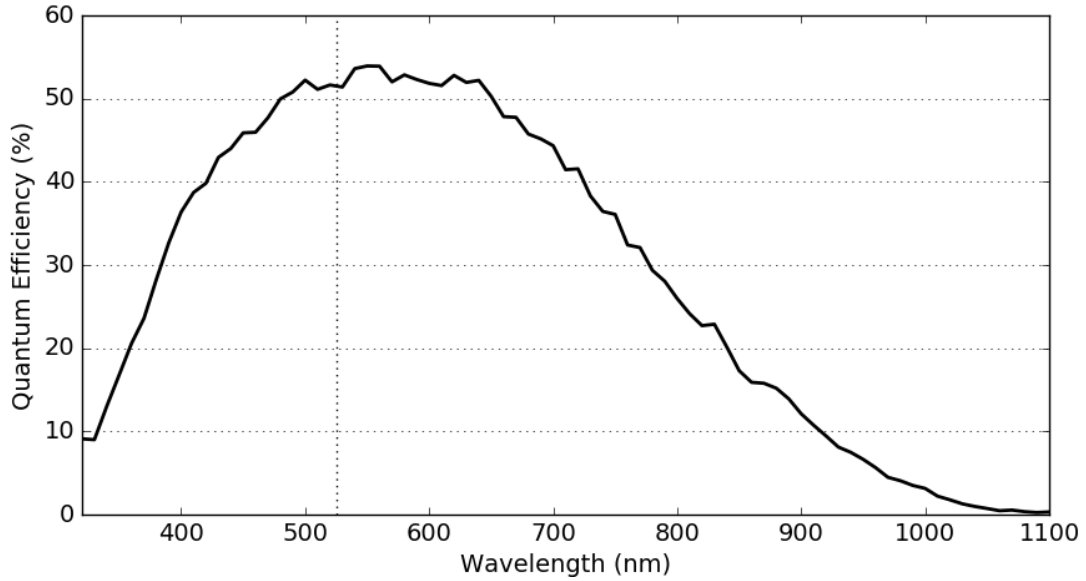
BFS-PGE-14Y3

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).

Blackfly S BFS-PGE-14Y3M

Resolution	1280x1024
Sensor	On Semi P1300 P1, CMOS, 1/2
Pixel Size (µm)	4.8
Firmware Version	1909.3.192.0
ADC Bit Depth	10
Quantum Efficiency Mono (% at 525 nm)	52.36
Quantum Efficiency Blue (% at 470 nm)	N/A
Quantum Efficiency Green (% at 525 nm)	N/A
Quantum Efficiency Red (% at 630 nm)	N/A
Temporal Dark Noise (Read Noise) (e-)	9.47
Temporal Dark Noise (Read Noise) (DN)	62.92
Signal to Noise Ratio Maximum (dB)	37.83
Signal to Noise Ratio Maximum (Bits)	6.28
Absolute Sensitivity Threshold (γ)	19.05
Absolute Sensitivity Threshold (e-)	9.97
Saturation Capacity (Well Depth) (e-)	6065
Saturation Capacity (Well Depth) (γ)	11583
Dynamic Range (dB)	55.68
Dynamic Range (Bits)	9.25
Gain (e-/ADU)	0.15

Blackfly S BFS-PGE-14Y3M Spectral Response Curve



10/31/2022

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