# EMVA 1288 IMAGING PERFORMANCE

FLIR BLACKFLY®S
BFS-PGE-88S6

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-88S6M	Blackfly S BFS-PGE-88S6C
Resolution	4096x2160	4096x2160
Sensor	Sony IMX267, CMOS, 1	Sony IMX267, CMOS, 1
Pixel Size (µm)	3.45	3.45
Firmware Version	2103.0.343.0	2103.0.343.0
ADC Bit Depth	12	12
Quantum Efficiency Mono (% at 525 nm)	63.45	N/A
Quantum Efficiency Blue (% at 470 nm)	N/A	46.33
Quantum Efficiency Green (% at 525 nm)	N/A	57.23
Quantum Efficiency Red (% at 630 nm)	N/A	44.79
Temporal Dark Noise (Read Noise) (e-)	2.45	2.42
Temporal Dark Noise (Read Noise) (DN)	14.16	13.95
Signal to Noise Ratio Maximum (dB)	40.33	40.31
Signal to Noise Ratio Maximum (Bits)	6.70	6.70
Absolute Sensitivity Threshold (γ)	4.66	5.06
Absolute Sensitivity Threshold (e-)	2.95	2.92
Saturation Capacity (Well Depth) (e-)	10784	10740
Saturation Capacity (Well Depth) (γ)	16996	18616
Dynamic Range (dB)	71.25	71.32
Dynamic Range (Bits)	11.83	11.85
Gain (e-/ADU)	0.17	0.17

FLIR® | The World's Sixth Sense®

Blackfly S BFS-PGE-88S6M Spectral Response Curve
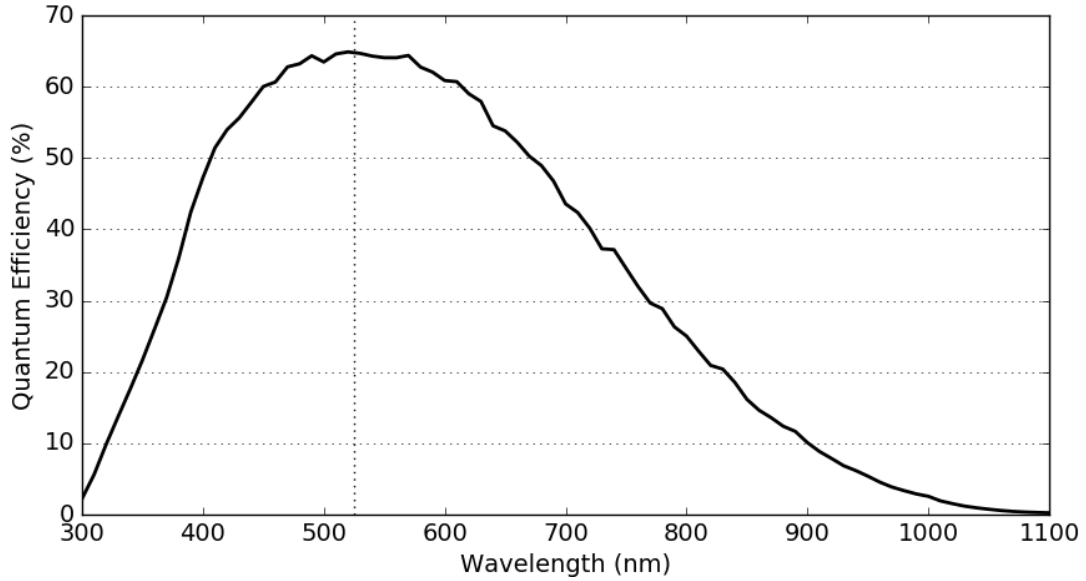
Blackfly S BFS-PGE-88S6C Spectral Response Curve