

# EMVA 1288 IMAGING PERFORMANCE

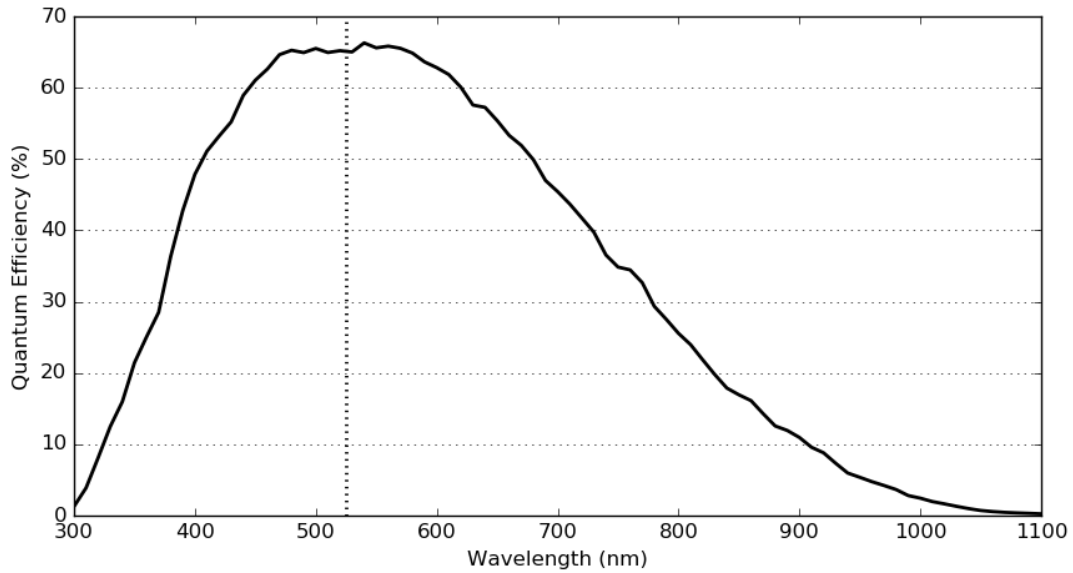
## FLIR BLACKFLY<sup>®</sup>S

### BFS-PGE-04S2

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-04S2M	BFS-PGE-04S2C
<b>Resolution</b>	720 x 540	720 x 540
<b>Sensor</b>	Sony IMX287, CMOS, 1/2.9"	Sony IMX287, CMOS, 1/2.9"
<b>Pixel Size (µm)</b>	6.9	6.9
<b>Firmware</b>	1707.1.5.0	1707.1.5.0
<b>ADC</b>	12-bit	12-bit
<b>Quantum Efficiency Mono (% at 530 nm)</b>	65	N/A
<b>Quantum Efficiency Blue (% at 460 nm)</b>	N/A	52
<b>Quantum Efficiency Green (% at 530 nm)</b>	N/A	61
<b>Quantum Efficiency Red (% at 625 nm)</b>	N/A	48
<b>Temporal Dark Noise (Read Noise) (e-)</b>	3.74	3.81
<b>Temporal Dark Noise (Read Noise) (DN)</b>	10.68	10.82
<b>Signal to Noise Ratio Maximum (dB)</b>	43.48	43.49
<b>Signal to Noise Ratio Maximum (Bits)</b>	7.22	7.22
<b>Absolute Sensitivity Threshold (γ)</b>	6.57	7.10
<b>Absolute Sensitivity Threshold (e-)</b>	4.24	4.31
<b>Saturation Capacity (Well Depth) (e-)</b>	22302	22346
<b>Saturation Capacity (Well Depth) (γ)</b>	34560	36794
<b>Dynamic Range (dB)</b>	74.42	74.29
<b>Dynamic Range (Bits)</b>	12.36	12.34
<b>Gain (e-/ADU)</b>	0.35	0.35

## BFS-PGE-04S2M



## BFS-PGE-04S2C

