

# EMVA 1288 IMAGING PERFORMANCE

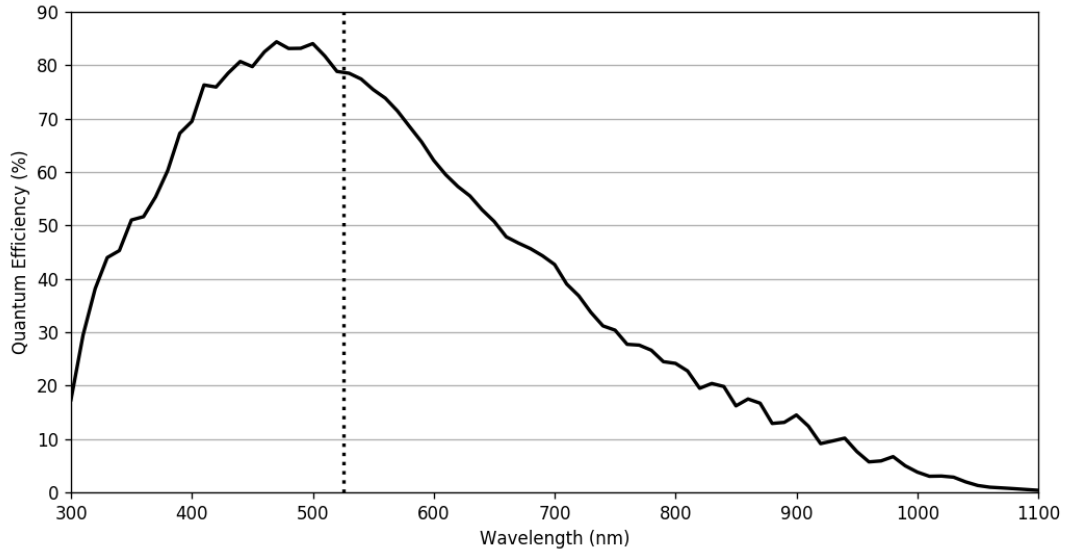
## FLIR BLACKFLY<sup>®</sup>S

### BFS-PGE-120S4

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-120S4M	BFS-PGE-120S4C
<b>Resolution</b>	4000 x 3000	4000 x 3000
<b>Sensor</b>	Sony IMX226, CMOS, 1/1.7"	Sony IMX226, CMOS, 1/1.7"
<b>Pixel Size (μm)</b>	1.85	1.85
<b>Firmware</b>	1809.0.222.0	1809.0.222.0
<b>ADC</b>	12-bit	12-bit
<b>Quantum Efficiency Mono (% at 530 nm)</b>	77	N/A
<b>Quantum Efficiency Blue (% at 460 nm)</b>	N/A	61
<b>Quantum Efficiency Green (% at 530 nm)</b>	N/A	66
<b>Quantum Efficiency Red (% at 625 nm)</b>	N/A	39
<b>Temporal Dark Noise (Read Noise) (e-)</b>	3.27	3.29
<b>Temporal Dark Noise (Read Noise) (DN)</b>	18.60	18.76
<b>Signal to Noise Ratio Maximum (dB)</b>	40.39	40.40
<b>Signal to Noise Ratio Maximum (Bits)</b>	6.71	6.71
<b>Absolute Sensitivity Threshold (γ)</b>	4.87	5.74
<b>Absolute Sensitivity Threshold (e-)</b>	3.77	3.79
<b>Saturation Capacity (Well Depth) (e-)</b>	10944	10956
<b>Saturation Capacity (Well Depth) (γ)</b>	14132	16578
<b>Dynamic Range (dB)</b>	69.26	69.22
<b>Dynamic Range (Bits)</b>	11.50	11.50
<b>Gain (e-/ADU)</b>	0.18	0.18

## BFS-PGE-120S4M



## BFS-PGE-120S4C

