

# EMVA 1288 IMAGING PERFORMANCE

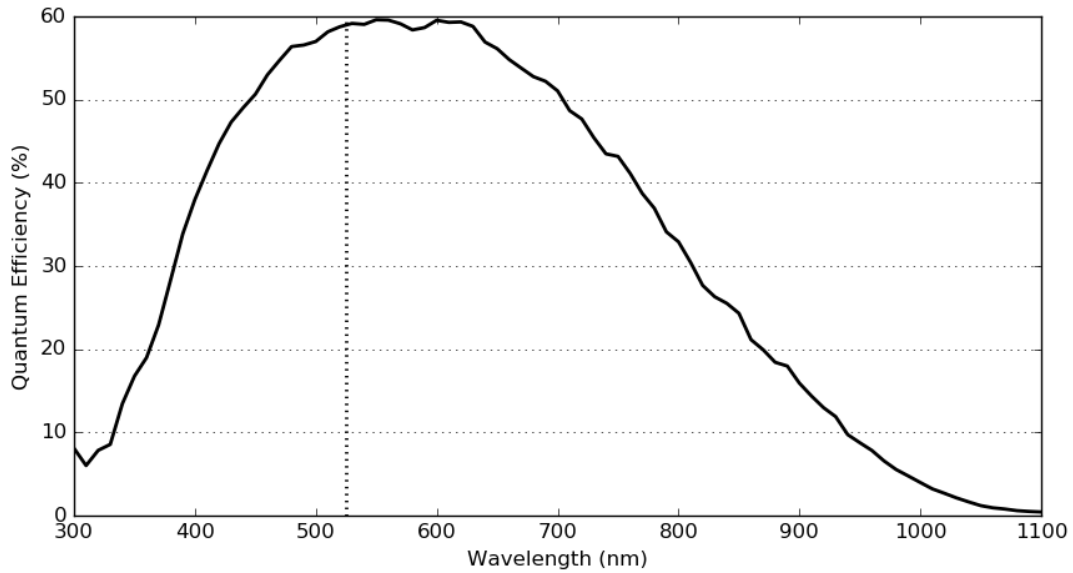
## FLIR BLACKFLY<sup>®</sup>S

### BFS-PGE-13Y3

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).

	BFS-PGE-13Y3M	BFS-PGE-13Y3C
<b>Resolution</b>	1280 x 1024	1280 x 1024
<b>Sensor</b>	On Semi P1300, CMOS, 1/2"	On Semi P1300, CMOS, 1/2"
<b>Pixel Size (µm)</b>	4.80	4.80
<b>Firmware</b>	1702.1.1.0	1702.1.1.0
<b>ADC</b>	10-bit	10-bit
<b>Quantum Efficiency Mono (% at 525 nm)</b>	60	N/A
<b>Quantum Efficiency Blue (% at 470 nm)</b>	N/A	40
<b>Quantum Efficiency Green (% at 525 nm)</b>	N/A	44
<b>Quantum Efficiency Red (% at 640 nm)</b>	N/A	49
<b>Temporal Dark Noise (Read Noise) (e-)</b>	9.73	9.50
<b>Temporal Dark Noise (Read Noise) (DN)</b>	62.47	68.91
<b>Signal to Noise Ratio Maximum (dB)</b>	38.02	38.08
<b>Signal to Noise Ratio Maximum (Bits)</b>	6.32	6.33
<b>Absolute Sensitivity Threshold (γ)</b>	17.13	22.87
<b>Absolute Sensitivity Threshold (e-)</b>	10.23	10.00
<b>Saturation Capacity (Well Depth) (e-)</b>	6341	6433
<b>Saturation Capacity (Well Depth) (γ)</b>	10620	14714
<b>Dynamic Range (dB)</b>	55.85	56.17
<b>Dynamic Range (Bits)</b>	9.28	9.33
<b>Gain (e-/ADU)</b>	0.16	0.14

## BFS-PGE-13Y3M



## BFS-PGE-13Y3C

