

# EMVA 1288 IMAGING PERFORMANCE

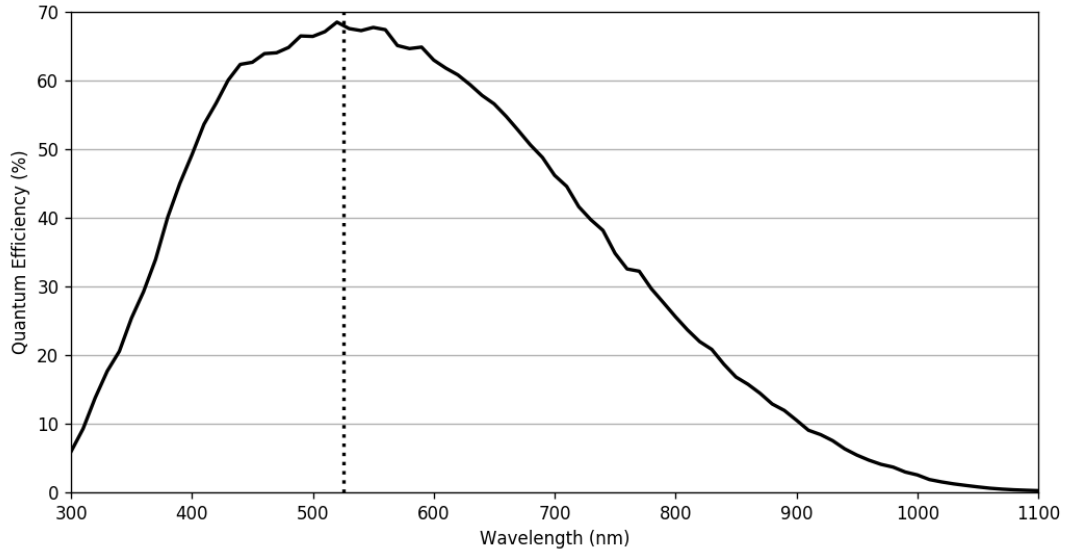
## FLIR BLACKFLY<sup>®</sup>S

### BFS-U3-122S6-BD

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 4.1.

	BFS-U3-122S6M-BD	BFS-U3-122S6C-BD
<b>Resolution</b>	4096 x 3000	4096 x 3000
<b>Sensor</b>	Sony IMX304, CMOS, 1.1"	Sony IMX304, CMOS, 1.1"
<b>Pixel Size (µm)</b>	3.45	3.45
<b>Firmware</b>	1906.0.157.0	1906.0.157.0
<b>ADC</b>	12-bit	12-bit
<b>Quantum Efficiency Mono (% at 530 nm)</b>	67	N/A
<b>Quantum Efficiency Blue (% at 460 nm)</b>	N/A	48
<b>Quantum Efficiency Green (% at 530 nm)</b>	N/A	59
<b>Quantum Efficiency Red (% at 625 nm)</b>	N/A	47
<b>Temporal Dark Noise (Read Noise) (e-)</b>	2.34	2.36
<b>Temporal Dark Noise (Read Noise) (DN)</b>	13.74	13.92
<b>Signal to Noise Ratio Maximum (dB)</b>	40.33	40.35
<b>Signal to Noise Ratio Maximum (Bits)</b>	6.70	6.70
<b>Absolute Sensitivity Threshold (γ)</b>	4.26	4.83
<b>Absolute Sensitivity Threshold (e-)</b>	2.84	2.86
<b>Saturation Capacity (Well Depth) (e-)</b>	10789	10850
<b>Saturation Capacity (Well Depth) (γ)</b>	16185	18308
<b>Dynamic Range (dB)</b>	71.60	71.57
<b>Dynamic Range (Bits)</b>	11.89	11.89
<b>Gain (e-/ADU)</b>	0.17	0.17

## BFS-U3-122S6M-BD



## BFS-U3-122S6C-BD

