

# EMVA 1288 IMAGING PERFORMANCE

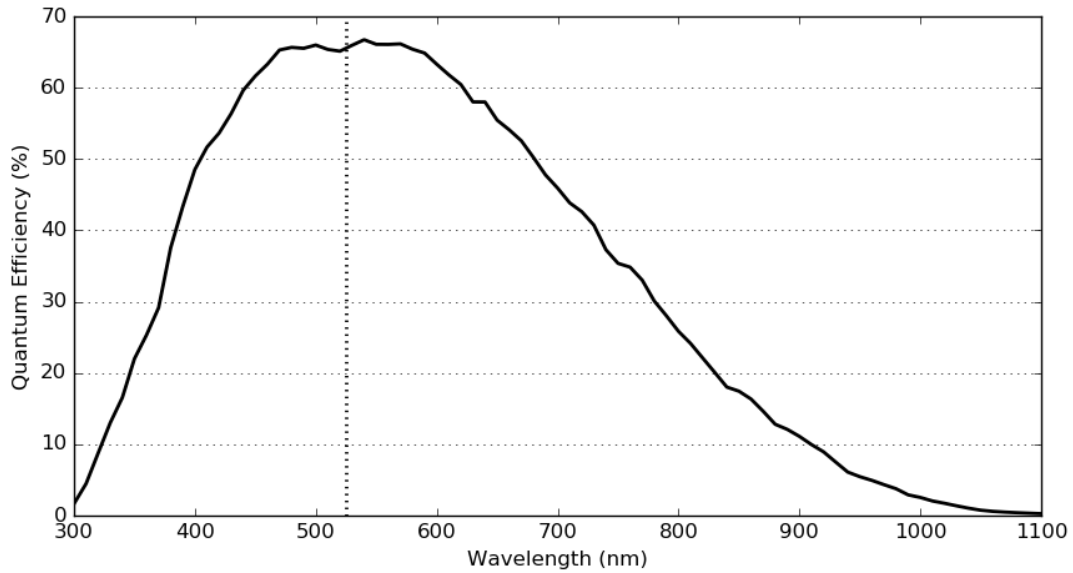
## FLIR BLACKFLY<sup>®</sup>S

### BFS-U3-16S2

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-U3-16S2M	BFS-U3-16S2C
<b>Resolution</b>	1440 x 1080	1440 x 1080
<b>Sensor</b>	Sony IMX273, CMOS, 1/2.9"	Sony IMX273, CMOS, 1/2.9"
<b>Pixel Size (µm)</b>	3.45	3.45
<b>Firmware</b>	1707.0.98.0	1707.0.98.0
<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	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>	2.45	2.41
<b>Temporal Dark Noise (Read Noise) (DN)</b>	14.01	14.26
<b>Signal to Noise Ratio Maximum (dB)</b>	40.48	40.36
<b>Signal to Noise Ratio Maximum (Bits)</b>	6.72	6.70
<b>Absolute Sensitivity Threshold (γ)</b>	4.55	4.91
<b>Absolute Sensitivity Threshold (e-)</b>	2.95	2.91
<b>Saturation Capacity (Well Depth) (e-)</b>	11179	10862
<b>Saturation Capacity (Well Depth) (γ)</b>	17248	18312
<b>Dynamic Range (dB)</b>	71.58	71.43
<b>Dynamic Range (Bits)</b>	11.89	11.86
<b>Gain (e-/ADU)</b>	0.17	0.17

## BFS-U3-16S2M



## BFS-U3-16S2C

