

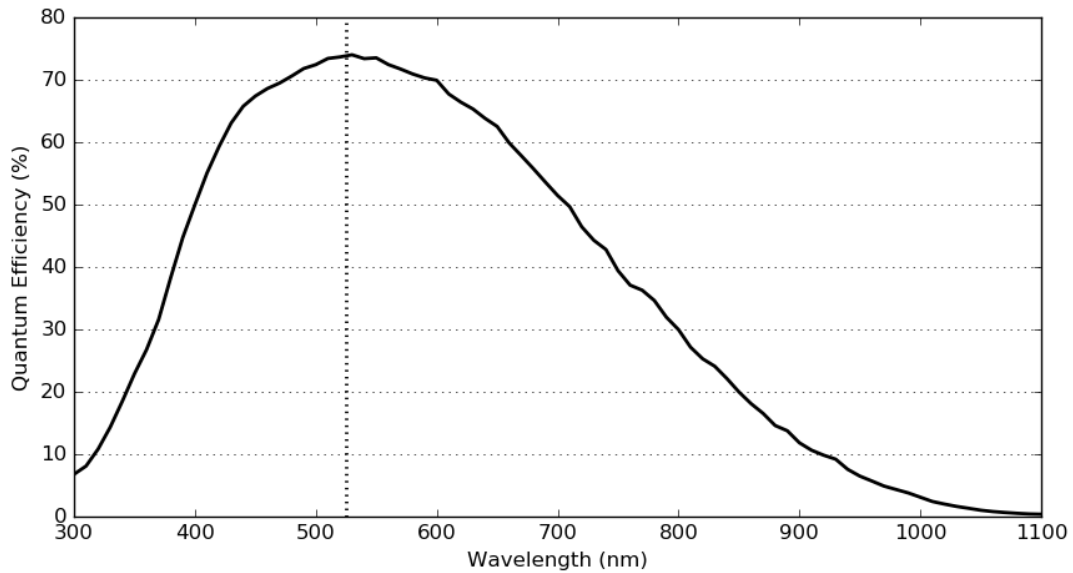
EMVA 1288 IMAGING PERFORMANCE

FLIR **BLACKFLY**[®]S BFS-U3-32S4

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-U3-32S4M	BFS-U3-32S4C
Resolution	2048 x 1536	2048 x 1536
Sensor	Sony IMX252, CMOS, 1/1.8"	Sony IMX252, CMOS, 1/1.8"
Pixel Size (µm)	3.45	3.45
Firmware	1607.1.2.0	1607.1.2.0
ADC	12-bit	12-bit
Quantum Efficiency Mono (% at 525 nm)	73	N/A
Quantum Efficiency Blue (% at 470 nm)	N/A	49
Quantum Efficiency Green (% at 525 nm)	N/A	66
Quantum Efficiency Red (% at 640 nm)	N/A	61
Temporal Dark Noise (Read Noise) (e-)	2.46	2.64
Temporal Dark Noise (Read Noise) (DN)	14.09	15.21
Signal to Noise Ratio Maximum (dB)	39.91	39.98
Signal to Noise Ratio Maximum (Bits)	6.63	6.64
Absolute Sensitivity Threshold (γ)	4.05	4.77
Absolute Sensitivity Threshold (e-)	2.96	3.14
Saturation Capacity (Well Depth) (e-)	9803	9943
Saturation Capacity (Well Depth) (Photons)	13402	15099
Dynamic Range (dB)	70.39	70.02
Dynamic Range (Bits)	11.69	11.63
Gain (e-/ADU)	0.18	0.17

BFS-U3-32S4M



BFS-U3-32S4C

