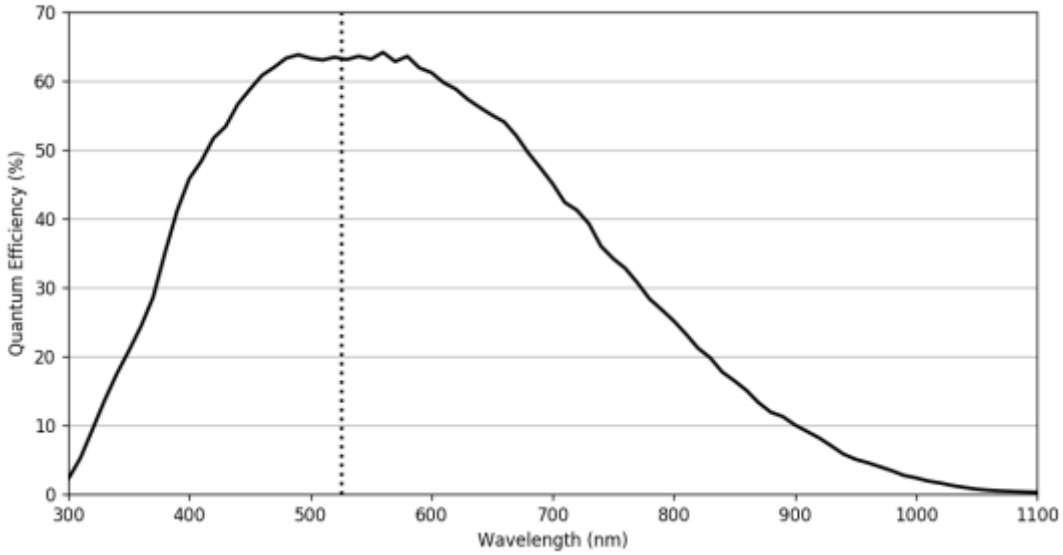
EMVA 1288 Imaging Performance

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-U3-122S6M	BFS-U3-122S6C
Resolution	4096 x 3000	4096 x 3000
Sensor	Sony IMX304, CMOS, 1.1"	Sony IMX304, CMOS, 1.1"
Pixel Size (µm)	3.45	3.45
Firmware	1801.0.142.0	1801.0.142.0
ADC	12-bit	12-bit
Quantum Efficiency Mono (% at 530 nm)	62	N/A
Quantum Efficiency Blue (% at 460 nm)	N/A	45
Quantum Efficiency Green (% at 530 nm)	N/A	56
Quantum Efficiency Red (% at 625 nm)	N/A	44
Temporal Dark Noise (Read Noise) (e-)	2.40	2.33
Temporal Dark Noise (Read Noise) (DN)	13.82	13.73
Signal to Noise Ratio Maximum (dB)	40.46	40.27
Signal to Noise Ratio Maximum (Bits)	6.72	6.69
Absolute Sensitivity Threshold (γ)	4.65	5.06
Absolute Sensitivity Threshold (e-)	2.90	2.83
Saturation Capacity (Well Depth) (e-)	11130	10651
Saturation Capacity (Well Depth) (γ)	17868	19026
Dynamic Range (dB)	71.69	71.51
Dynamic Range (Bits)	11.91	11.88
Gain (e-/ADU)	0.17	0.17

BFS-U3-122S6M



BFS-U3-122S6C