

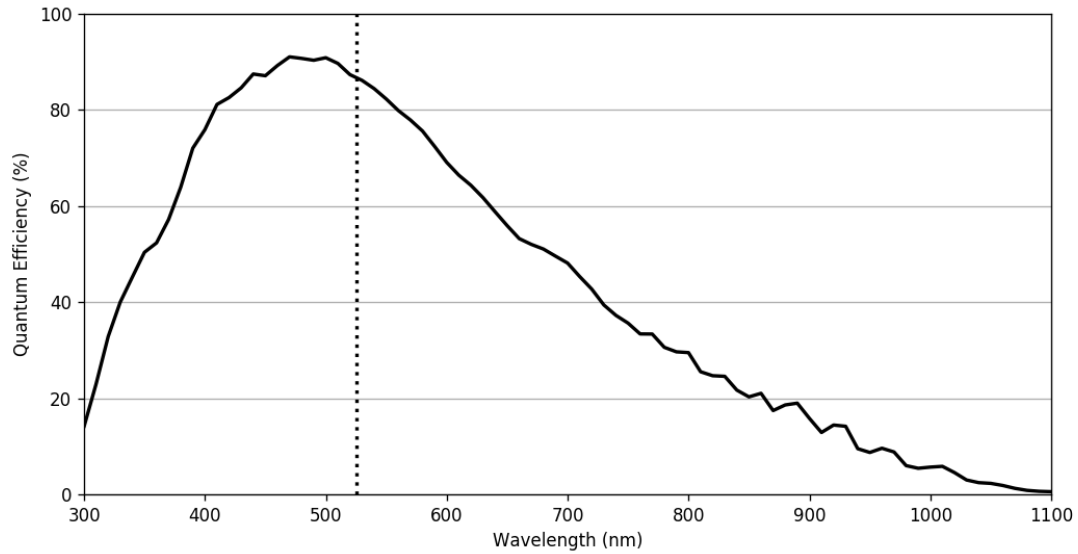
BLACKFLY[®]S

BFS-U3-120S4

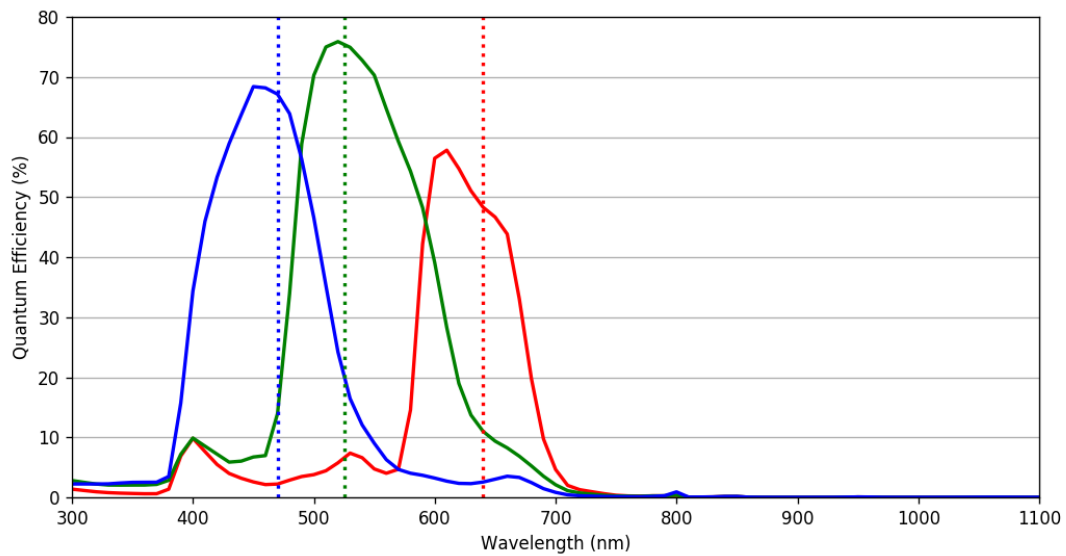
Measurements are taken based on guidelines in the EMVA 1288 standard; the full definition can be found at EMVA.org. Camera settings are: maximum bit depth, 16-bit pixel format, and ISP disabled. The center wavelength is 525 nm unless otherwise noted. Results are captured at room temperature (20°C).

	BFS-U3-120S4M	BFS-U3-120S4C
Resolution	4000 x 3000	4000 x 3000
Sensor	Sony IMX226, CMOS, 1/1.7"	Sony IMX226, CMOS, 1/1.7"
Pixel Size (μm)	1.85	1.85
Firmware	1801.0.116.0	1801.0.116.0
ADC	10-bit	10-bit
Quantum Efficiency Mono (% at 530 nm)	85	N/A
Quantum Efficiency Blue (% at 460 nm)	N/A	61
Quantum Efficiency Green (% at 530 nm)	N/A	72
Quantum Efficiency Red (% at 625 nm)	N/A	50
Temporal Dark Noise (Read Noise) (e-)	5.45	5.55
Temporal Dark Noise (Read Noise) (DN)	31.47	32.03
Signal to Noise Ratio Maximum (dB)	40.05	40.27
Signal to Noise Ratio Maximum (Bits)	6.65	6.69
Absolute Sensitivity Threshold (γ)	6.98	8.38
Absolute Sensitivity Threshold (e-)	5.95	6.05
Saturation Capacity (Well Depth) (e-)	10116	10630
Saturation Capacity (Well Depth) (γ)	11878	14727
Dynamic Range (dB)	64.62	64.89
Dynamic Range (Bits)	10.73	10.78
Gain (e-/ADU)	0.17	0.17

BFS-U3-120S4M



BFS-U3-120S4C



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