

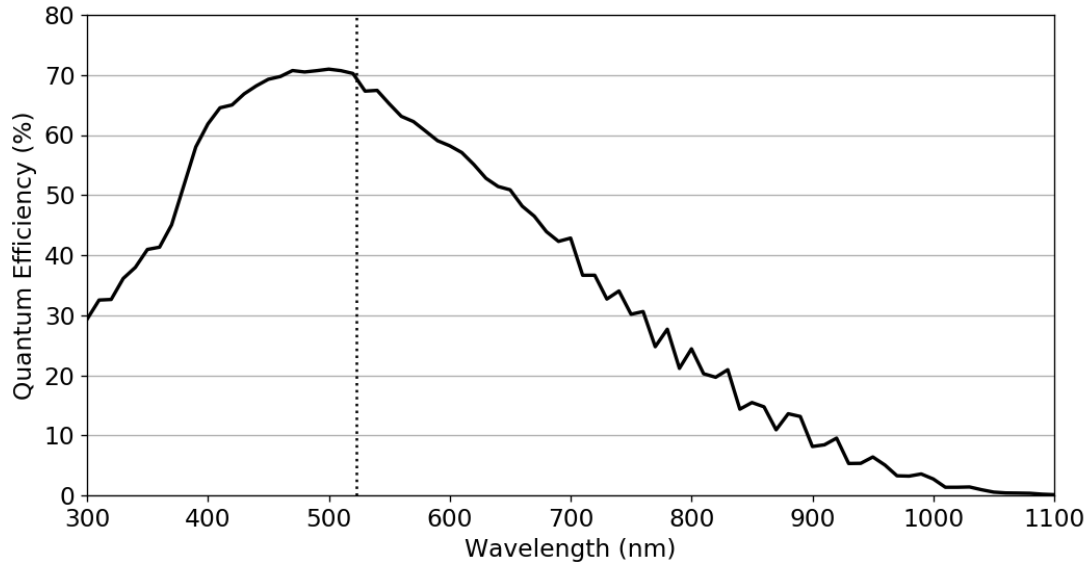
DRAGONFLY[®] S CAMERAS

DR-U3-50S4

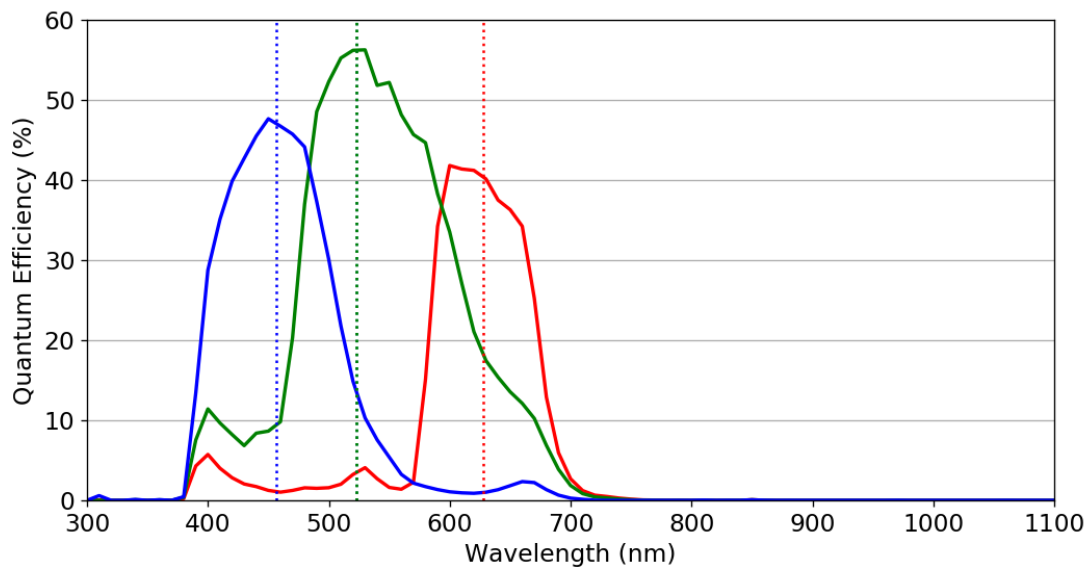
Measurements are taken based on guidelines in the EMVA 1288 standard; the full definition can be found at EMVA.org. Camera settings are: maximum bit depth, 16-bit pixel format, and ISP disabled. The center wavelength is 525 nm unless otherwise noted. Results are captured at room temperature (20°C).

	Dragonfly S DR-U3-50S4M	Dragonfly S DR-U3-50S4C
Resolution	2448x2048	2448x2048
Sensor	Sony IMX568, CMOS, 1/1.8	Sony IMX568, CMOS, 1/1.8
Pixel Size (μm)	2.74	2.74
Firmware Version	2511.1.11.0	2511.1.11.0
ADC Bit Depth	12	12
Quantum Efficiency Mono (% at 523 nm)	67.06	N/A
Quantum Efficiency Blue (% at 457 nm)	N/A	45.03
Quantum Efficiency Green (% at 523 nm)	N/A	52.63
Quantum Efficiency Red (% at 628 nm)	N/A	33.31
Temporal Dark Noise (Read Noise) (e-)	2.64	2.67
Temporal Dark Noise (Read Noise) (DN)	17.91	18.36
Signal to Noise Ratio Maximum (dB)	39.92	39.82
Signal to Noise Ratio Maximum (Bits)	6.63	6.61
Absolute Sensitivity Threshold (γ)	4.83	6.19
Absolute Sensitivity Threshold (e-)	3.24	3.25
Saturation Capacity (Well Depth) (e-)	9814	9593
Saturation Capacity (Well Depth) (γ)	14636	18260
Dynamic Range (dB)	69.64	69.39
Dynamic Range (Bits)	11.57	11.53
Gain (e-/ADU)	0.15	0.15

Dragonfly S DR-U3-50S4M Spectral Response Curve



Dragonfly S DR-U3-50S4C Spectral Response Curve



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