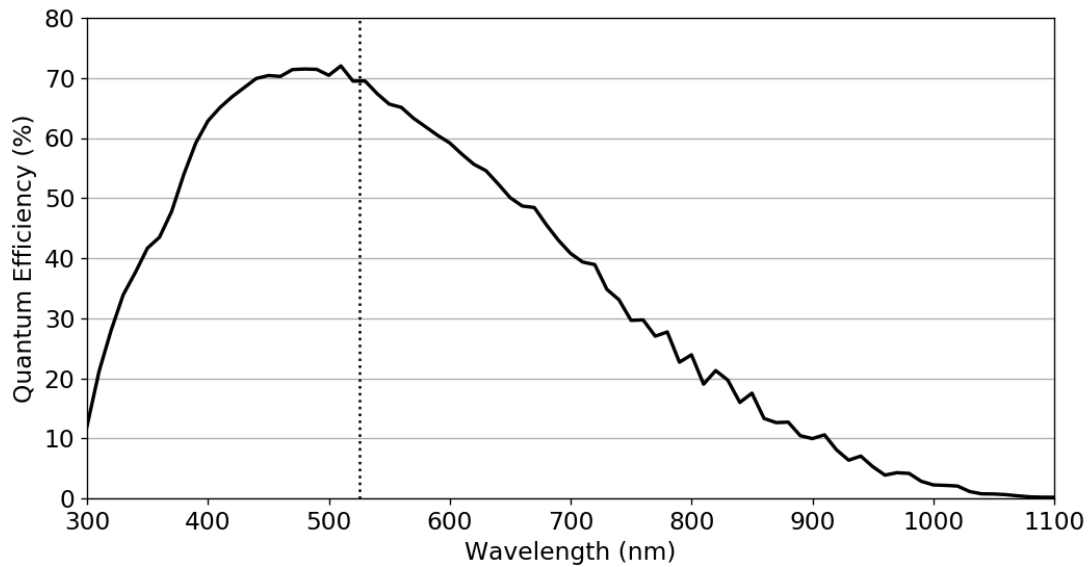


FORGE[®] FG-P5G-244S8

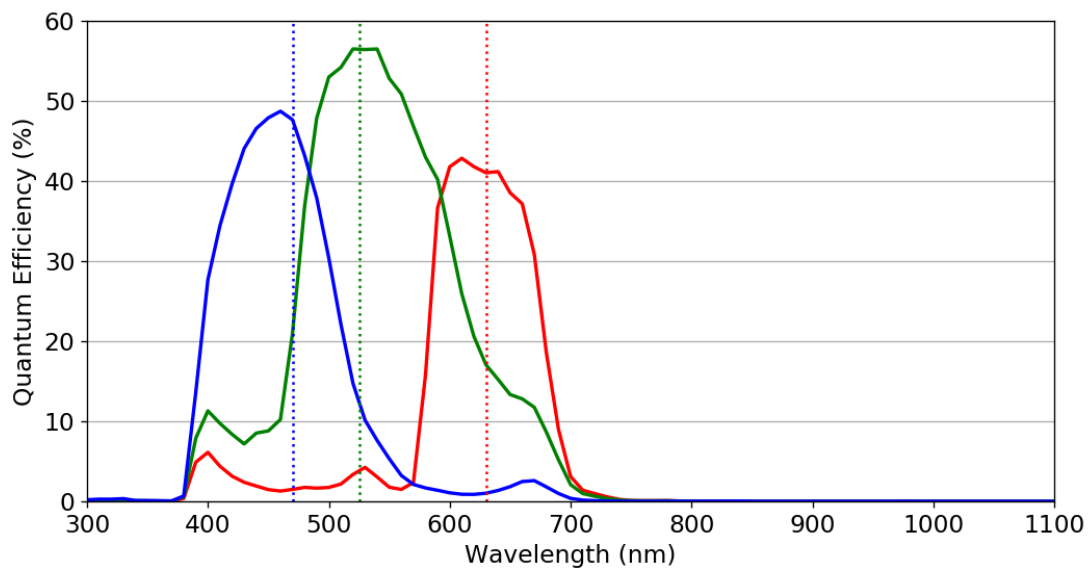
Measurements are taken based on guidelines in the EMVA 1288 standard; the full definition can be found at EMVA.org. Camera settings are: maximum bit depth, 16-bit pixel format, and ISP disabled. The center wavelength is 525 nm unless otherwise noted. Results are captured at room temperature (20°C).

	Forge FG-P5G-244S8M	Forge FG-P5G-244S8C
Resolution	5320x4600	5320x4600
Sensor	Sony IMX540, CMOS, 1.2	Sony IMX540, CMOS, 1.2
Pixel Size (μm)	2.74	2.74
Firmware Version	2110.1.351.0	2110.1.351.0
ADC Bit Depth	12	12
Quantum Efficiency Mono (% at 525 nm)	67.67	N/A
Quantum Efficiency Blue (% at 470 nm)	N/A	46.18
Quantum Efficiency Green (% at 525 nm)	N/A	53.12
Quantum Efficiency Red (% at 630 nm)	N/A	34.34
Temporal Dark Noise (Read Noise) (e-)	2.29	2.29
Temporal Dark Noise (Read Noise) (DN)	15.51	15.45
Signal to Noise Ratio Maximum (dB)	39.99	39.90
Signal to Noise Ratio Maximum (Bits)	6.64	6.63
Absolute Sensitivity Threshold (γ)	4.28	5.46
Absolute Sensitivity Threshold (e-)	2.89	2.89
Saturation Capacity (Well Depth) (e-)	9972	9769
Saturation Capacity (Well Depth) (γ)	14736	18426
Dynamic Range (dB)	70.75	70.56
Dynamic Range (Bits)	11.75	11.72
Gain (e-/ADU)	0.15	0.16

Forge FG-P5G-244S8M Spectral Response Curve



Forge FG-P5G-244S8C Spectral Response Curve



10/12/2023

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