

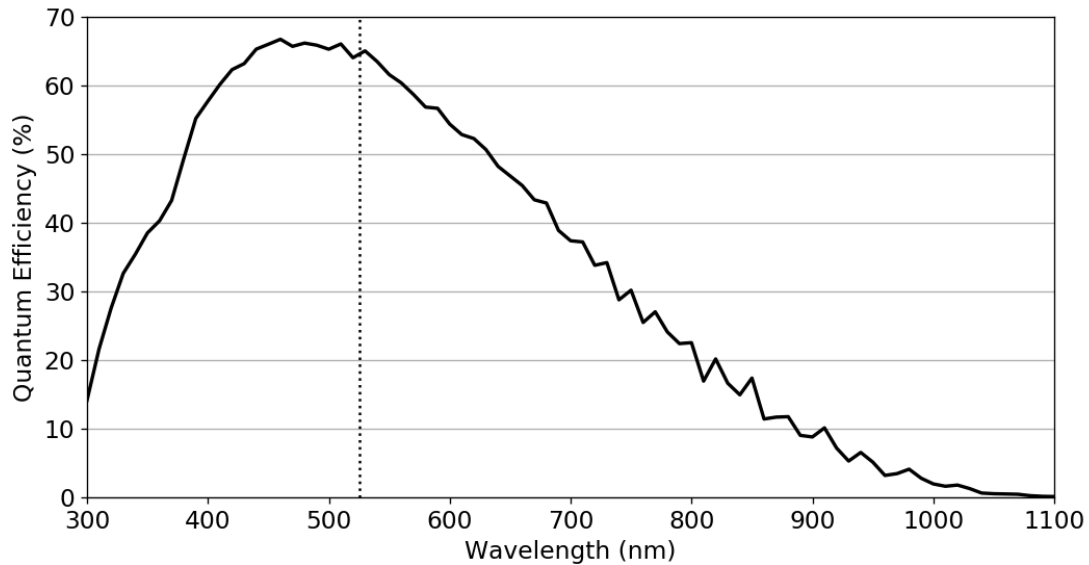
## FORGE<sup>®</sup> 5GIGE CAMERAS

### FG-P5G-120S6

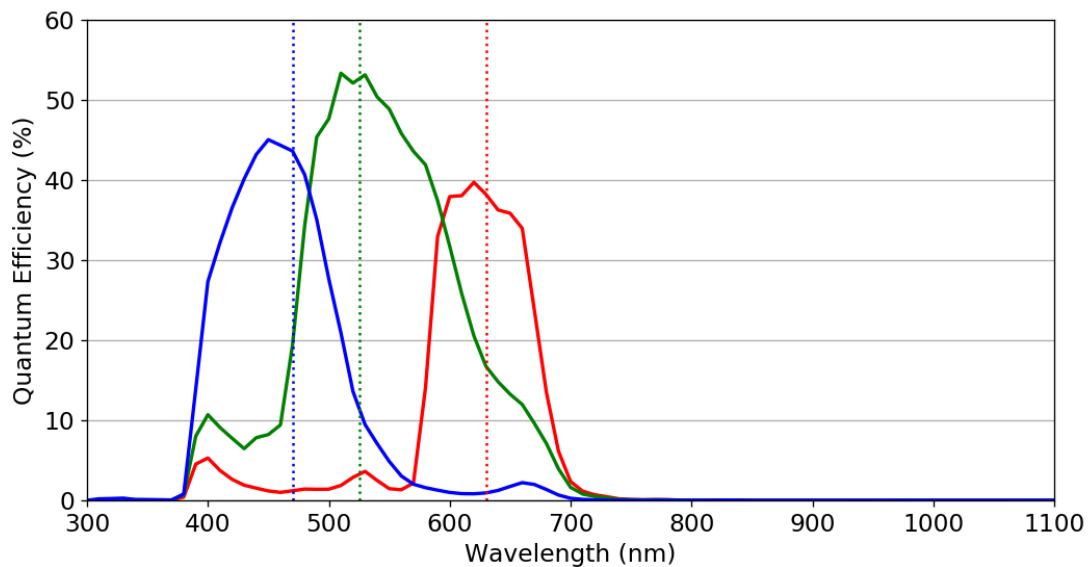
Measurements are taken based on guidelines in the EMVA 1288 standard; the full definition can be found at [EMVA.org](http://EMVA.org). Camera settings are: maximum bit depth, 16-bit pixel format, and ISP disabled. The center wavelength is 525 nm unless otherwise noted. Results are captured at room temperature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

	Forge FG-P5G-120S6M	Forge FG-P5G-120S6C
<b>Resolution</b>	4096x3000	4096x3000
<b>Sensor</b>	Sony IMX545, CMOS, 1/1.1	Sony IMX545, CMOS, 1/1.1
<b>Pixel Size (μm)</b>	2.74	2.74
<b>Firmware Version</b>	2408.11.612.0	2408.11.612.0
<b>ADC Bit Depth</b>	12	12
<b>Quantum Efficiency Mono (% at 525 nm)</b>	63.07	N/A
<b>Quantum Efficiency Blue (% at 470 nm)</b>	N/A	42.94
<b>Quantum Efficiency Green (% at 525 nm)</b>	N/A	49.87
<b>Quantum Efficiency Red (% at 630 nm)</b>	N/A	31.49
<b>Temporal Dark Noise (Read Noise) (e-)</b>	2.36	2.38
<b>Temporal Dark Noise (Read Noise) (DN)</b>	17.39	17.08
<b>Signal to Noise Ratio Maximum (dB)</b>	39.51	39.59
<b>Signal to Noise Ratio Maximum (Bits)</b>	6.56	6.58
<b>Absolute Sensitivity Threshold (γ)</b>	4.67	5.97
<b>Absolute Sensitivity Threshold (e-)</b>	2.95	2.97
<b>Saturation Capacity (Well Depth) (e-)</b>	8938	9095
<b>Saturation Capacity (Well Depth) (γ)</b>	14171	18270
<b>Dynamic Range (dB)</b>	69.64	69.71
<b>Dynamic Range (Bits)</b>	11.57	11.58
<b>Gain (e-/ADU)</b>	0.14	0.14

## Forge FG-P5G-120S6M Spectral Response Curve



## Forge FG-P5G-120S6C Spectral Response Curve



2/3/2025

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