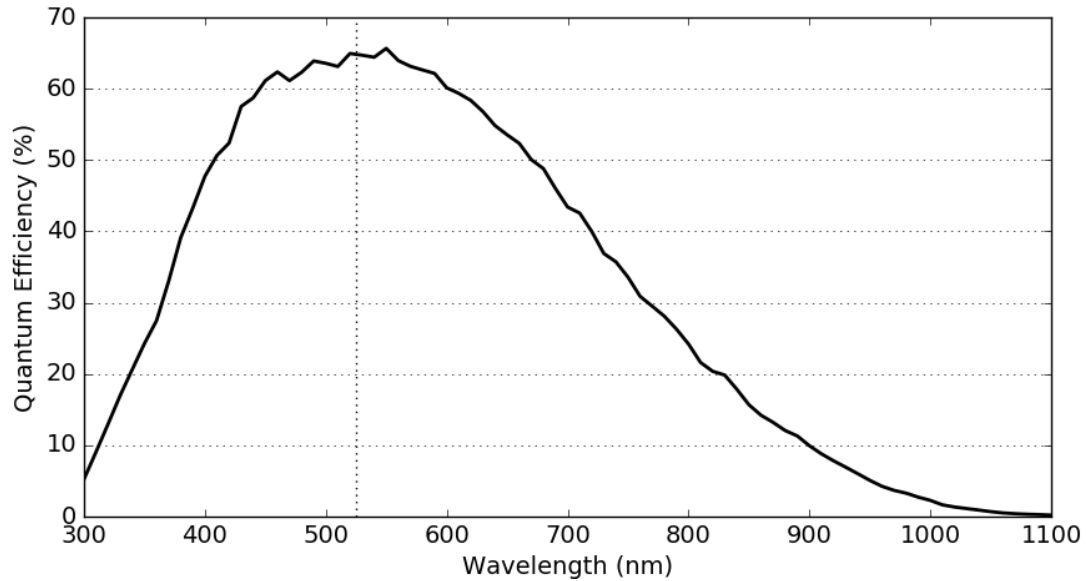


## FIREFLY<sup>®</sup> FFY-U3-04S2

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).

	Firefly FFY-U3-04S2M	Firefly FFY-U3-04S2C
<b>Resolution</b>	720x540	720x540
<b>Sensor</b>	Sony IMX297, CMOS, 1/2.9	Sony IMX297, CMOS, 1/2.9
<b>Pixel Size (μm)</b>	6.90	6.90
<b>Firmware Version</b>	2101.0.19.0	2101.0.19.0
<b>ADC Bit Depth</b>	10	10
<b>Quantum Efficiency Mono (% at 525 nm)</b>	63.62	N/A
<b>Quantum Efficiency Blue (% at 470 nm)</b>	N/A	47.31
<b>Quantum Efficiency Green (% at 525 nm)</b>	N/A	57.17
<b>Quantum Efficiency Red (% at 630 nm)</b>	N/A	44.78
<b>Temporal Dark Noise (Read Noise) (e-)</b>	7.21	7.68
<b>Temporal Dark Noise (Read Noise) (DN)</b>	0.34	0.36
<b>Signal to Noise Ratio Maximum (dB)</b>	43.27	43.23
<b>Signal to Noise Ratio Maximum (Bits)</b>	7.19	7.18
<b>Absolute Sensitivity Threshold (γ)</b>	12.12	14.29
<b>Absolute Sensitivity Threshold (e-)</b>	7.71	8.18
<b>Saturation Capacity (Well Depth) (e-)</b>	21210	21014
<b>Saturation Capacity (Well Depth) (γ)</b>	33337	36711
<b>Dynamic Range (dB)</b>	68.79	68.20
<b>Dynamic Range (Bits)</b>	11.43	11.33
<b>Gain (e-/ADU)</b>	21.11	21.16

## Firefly FFY-U3-04S2M Spectral Response Curve



## Firefly FFY-U3-04S2C Spectral Response Curve

