

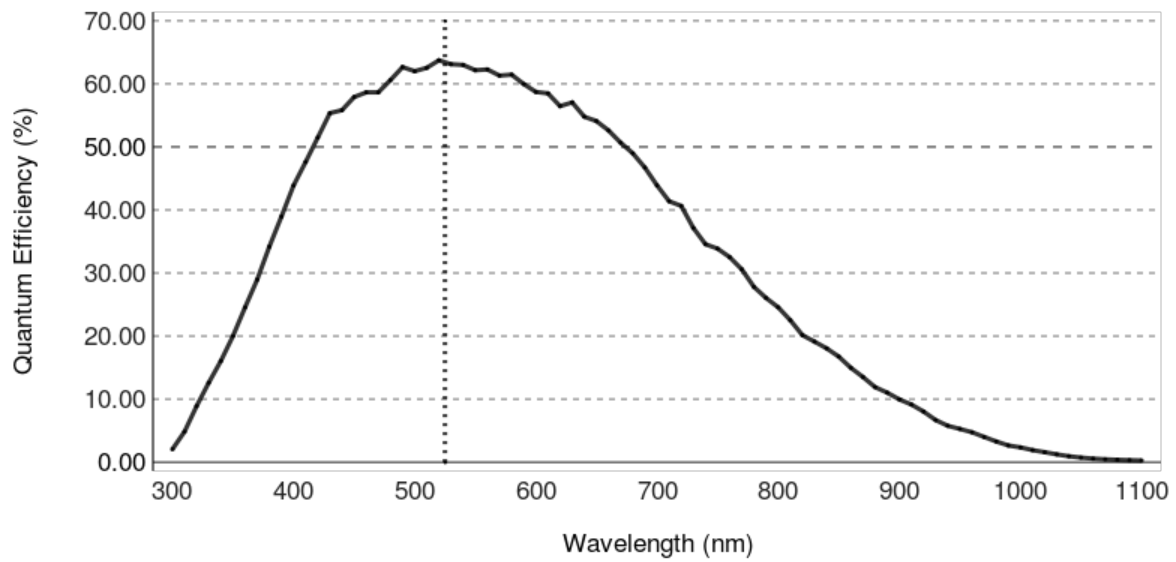
## ORX-10G-51S5 / ORX-10GS-51S5

**Note:** Oryx part numbers with 10G and 10GS are functionally the same and differ only in dimensions and mass.

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).

	Oryx ORX-10G-51S5M	Oryx ORX-10G-51S5C
<b>Resolution</b>	2448x2048	2448x2048
<b>Sensor</b>	IMX250 (CMOS, Global Shutter)	IMX250 (CMOS, Global Shutter)
<b>Pixel Size</b>	3.45	3.45
<b>Firmware Version</b>	1710.0.0.0	1710.0.0.0
<b>ADC Bit Depth</b>	12	12
<b>Quantum Efficiency Mono (% at 525 nm)</b>	61.95	N/A
<b>Quantum Efficiency Blue (% at 470 nm)</b>	N/A	46.21
<b>Quantum Efficiency Green (% at 525 nm)</b>	N/A	55.89
<b>Quantum Efficiency Red (% at 630 nm)</b>	N/A	43.50
<b>Temporal Dark Noise (Read Noise) (e-)</b>	2.31	2.24
<b>Temporal Dark Noise (Read Noise) (DN)</b>	13.96	13.32
<b>Signal to Noise Ratio Maximum (dB)</b>	40.18	40.25
<b>Signal to Noise Ratio Maximum (Bits)</b>	6.67	6.69
<b>Absolute Sensitivity Threshold (γ)</b>	4.54	4.93
<b>Absolute Sensitivity Threshold (e-)</b>	2.81	2.74
<b>Saturation Capacity (Well Depth) (e-)</b>	10435.00	10602.50
<b>Saturation Capacity (Well Depth) (γ)</b>	16843.90	19046.60
<b>Dynamic Range (dB)</b>	71.38	71.74
<b>Dynamic Range (Bits)</b>	11.86	11.92
<b>Gain (e-/ADU)</b>	0.17	0.17

## Oryx ORX-10G-51S5M Spectral Response Curve



## Oryx ORX-10G-51S5C Spectral Response Curve

