

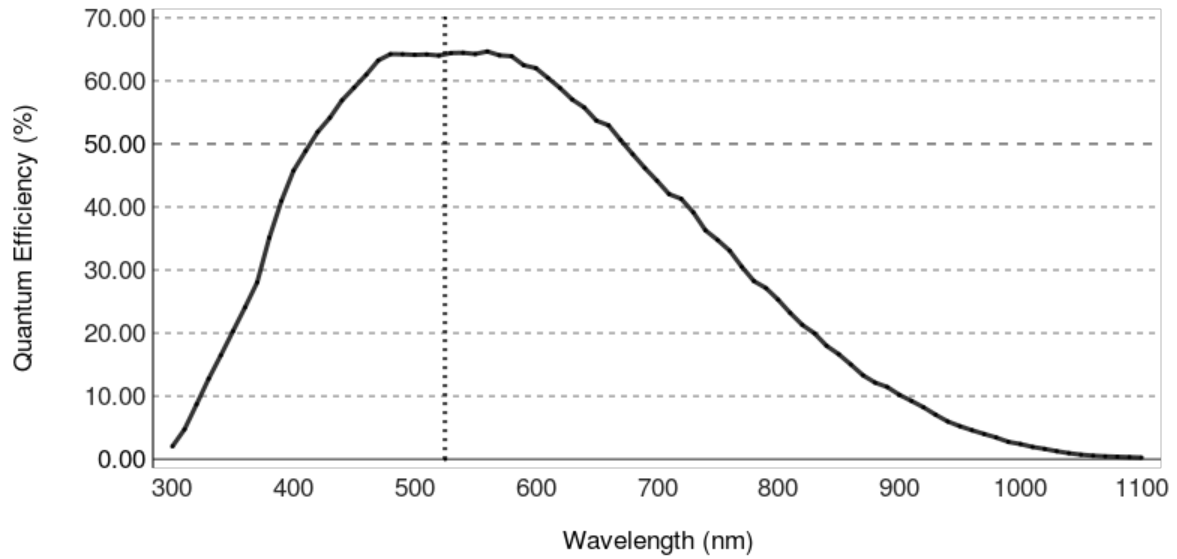
## ORX-10G-123S6 / ORX-10GS-123S6

**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-123S6M	Oryx ORX-10G-123S6C
<b>Resolution</b>	4096x3000	4096x3000
<b>Sensor</b>	IMX253 (CMOS, Global Shutter)	IMX253 (CMOS, Global Shutter)
<b>Pixel Size</b>	3.45	3.45
<b>Firmware Version</b>	1610.1.267.0	1610.1.267.0
<b>ADC Bit Depth</b>	12	12
<b>Quantum Efficiency Mono (% at 525 nm)</b>	63.35	N/A
<b>Quantum Efficiency Blue (% at 470 nm)</b>	N/A	46.39
<b>Quantum Efficiency Green (% at 525 nm)</b>	N/A	57.05
<b>Quantum Efficiency Red (% at 630 nm)</b>	N/A	44.60
<b>Temporal Dark Noise (Read Noise) (e-)</b>	2.37	2.35
<b>Temporal Dark Noise (Read Noise) (DN)</b>	14.35	14.08
<b>Signal to Noise Ratio Maximum (dB)</b>	40.12	40.19
<b>Signal to Noise Ratio Maximum (Bits)</b>	6.66	6.68
<b>Absolute Sensitivity Threshold (γ)</b>	4.53	5.00
<b>Absolute Sensitivity Threshold (e-)</b>	2.87	2.85
<b>Saturation Capacity (Well Depth) (e-)</b>	10277.00	10449.00
<b>Saturation Capacity (Well Depth) (γ)</b>	16222.90	18313.50
<b>Dynamic Range (dB)</b>	71.08	71.28
<b>Dynamic Range (Bits)</b>	11.81	11.84
<b>Gain (e-/ADU)</b>	0.17	0.17

## Oryx ORX-10G-123S6M Spectral Response Curve



## Oryx ORX-10G-123S6C Spectral Response Curve

