

EMVA 1288 IMAGING PERFORMANCE

ORYX[®]

ORX-10G-89S6 / ORX-10GS-89S6

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-89S6M	Oryx ORX-10G-89S6C
Resolution	4086x2160	4096x2160
Sensor	IMX255 (CMOS, Global Shutter)	IMX255 (CMOS, Global Shutter)
Pixel Size	3.45	3.45
Firmware Version	1610.1.402.0	1610.1.402.0
ADC Bit Depth	12	12
Quantum Efficiency Mono (% at 525 nm)	61.22	N/A
Quantum Efficiency Blue (% at 470 nm)	N/A	44.99
Quantum Efficiency Green (% at 525 nm)	N/A	55.04
Quantum Efficiency Red (% at 630 nm)	N/A	44.12
Temporal Dark Noise (Read Noise) (e-)	2.44	2.44
Temporal Dark Noise (Read Noise) (DN)	14.57	14.64
Signal to Noise Ratio Maximum (dB)	40.25	40.21
Signal to Noise Ratio Maximum (Bits)	6.68	6.68
Absolute Sensitivity Threshold (γ)	4.80	5.34
Absolute Sensitivity Threshold (e-)	2.94	2.94
Saturation Capacity (Well Depth) (e-)	10584.30	10490.10
Saturation Capacity (Well Depth) (γ)	17290.00	19034.10
Dynamic Range (dB)	71.13	71.04
Dynamic Range (Bits)	11.81	11.80
Gain (e-/ADU)	0.17	0.17

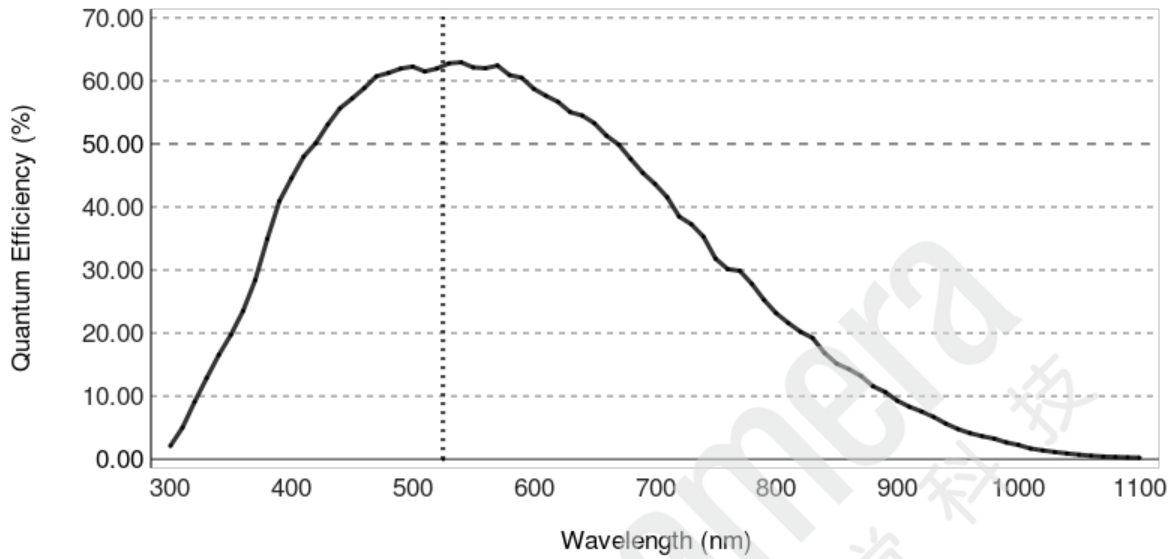
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Oryx ORX-10G-89S6M Spectral Response Curve



Oryx ORX-10G-89S6C Spectral Response Curve

