EMVA 1288 IMAGING PERFORMANCE

FLIR FIREFLY®

FFY-U3-16S2M

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).

	Firefly FFY-U3-16S2M
Resolution	1440x1080
Sensor	IMX296 (1/2.9, CMOS, Global Shutter)
Pixel Size	3.45
Firmware Version	1905.0.26.0
ADC Bit Depth	10
Quantum Efficiency Mono (% at 525 nm)	65.34
Quantum Efficiency Blue (% at 470 nm)	N/A
Quantum Efficiency Green (% at 525 nm)	N/A
Quantum Efficiency Red (% at 630 nm)	N/A
Temporal Dark Noise (Read Noise) (e-)	4.93
Temporal Dark Noise (Read Noise) (DN)	0.45
Signal to Noise Ratio Maximum (dB)	40.36
Signal to Noise Ratio Maximum (Bits)	6.70
Absolute Sensitivity Threshold (γ)	8.31
Absolute Sensitivity Threshold (e-)	5.43
Saturation Capacity (Well Depth) (e-)	10865.00
Saturation Capacity (Well Depth) (γ)	16627.90
Dynamic Range (dB)	66.03
Dynamic Range (Bits)	10.97
Gain (e-/ADU)	10.92

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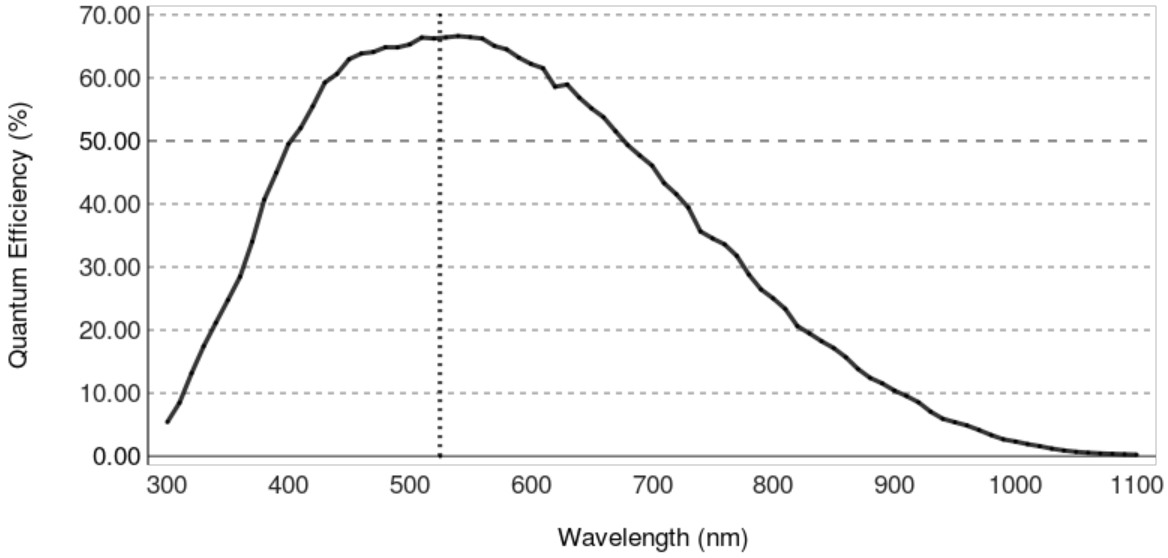
1288
EMVA Standard Compliant

Firefly FFY-U3-16S2M Spectral Response Curve



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