EMVA 1288 IMAGING PERFORMANCE

FLIR FIREFLY®

FFY-U3-16S2-DL

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-DL	Firefly FFY-U3-16S2C-DL
Resolution	1440x1080	1440x1080
Sensor	Sony IMX296, CMOS, 1/2.9	Sony IMX296, CMOS, 1/2.9
Pixel Size (µm)	3.45	3.45
Firmware Version	1905.4.103.0	1905.4.103.0
ADC Bit Depth	10	10
Quantum Efficiency Mono (% at 525 nm)	64.28	N/A
Quantum Efficiency Blue (% at 470 nm)	N/A	47.81
Quantum Efficiency Green (% at 525 nm)	N/A	57.41
Quantum Efficiency Red (% at 630 nm)	N/A	44.90
Temporal Dark Noise (Read Noise) (e-)	4.69	4.95
Temporal Dark Noise (Read Noise) (DN)	0.44	0.47
Signal to Noise Ratio Maximum (dB)	40.12	40.17
Signal to Noise Ratio Maximum (Bits)	6.66	6.67
Absolute Sensitivity Threshold (γ)	8.08	9.54
Absolute Sensitivity Threshold (e-)	5.19	5.45
Saturation Capacity (Well Depth) (e-)	10276	10408
Saturation Capacity (Well Depth) (γ)	15986	18209
Dynamic Range (dB)	65.93	65.61
Dynamic Range (Bits)	10.95	10.90
Gain (e-/ADU)	10.74	10.62

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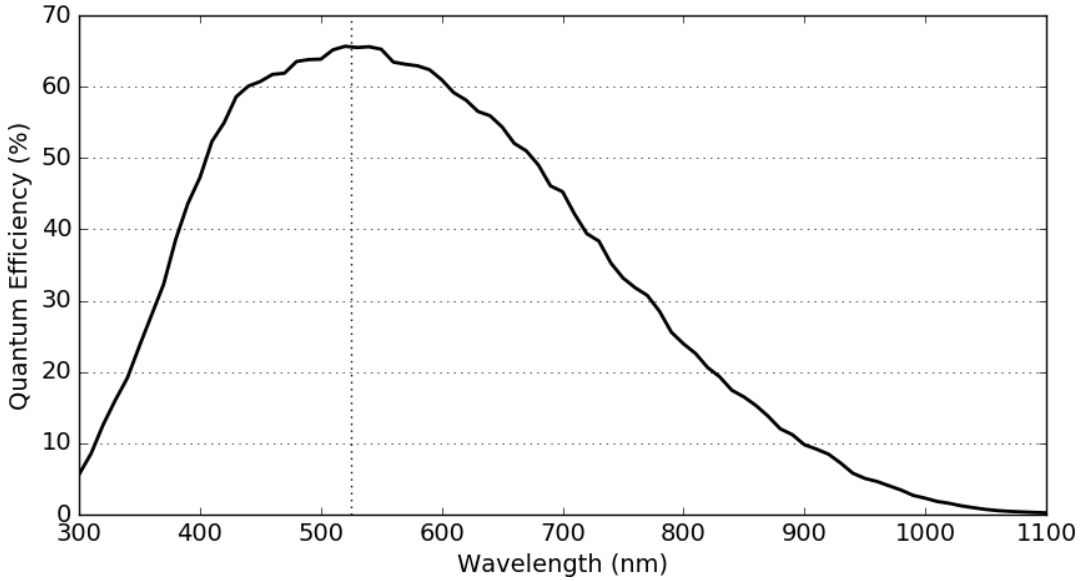
1288
EMVA Standard Compliant

Firefly FFY-U3-16S2M-DL Spectral Response Curve



Firefly FFY-U3-16S2C-DL Spectral Response Curve