

EMVA 1288 IMAGING PERFORMANCE

FLIR **FIREFLY**[®]

FFY-U3-16S2M-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

Resolution	1440x1080
Sensor	IMX296 (1/2.9, CMOS, Global Shutter)
Pixel Size	3.45
Firmware Version	1905.4.49.0
ADC Bit Depth	10
Quantum Efficiency Mono (% at 525 nm)	65.45
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-)	4.91
Temporal Dark Noise (Read Noise) (DN)	0.45
Signal to Noise Ratio Maximum (dB)	40.26
Signal to Noise Ratio Maximum (Bits)	6.69
Absolute Sensitivity Threshold (γ)	8.26
Absolute Sensitivity Threshold (e-)	5.41
Saturation Capacity (Well Depth) (e-)	10612.20
Saturation Capacity (Well Depth) (γ)	16214.00
Dynamic Range (dB)	65.86
Dynamic Range (Bits)	10.94
Gain (e-/ADU)	10.81

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The World's **Sixth Sense**[®]

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

