

## FLIR **FIREFLY**<sup>®</sup> FFY-U3-16S2C

Measurements are taken based on guidelines in the EMVA 1288 standard; the full definition can be found at [EMVA.org](http://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-U3-16S2C

<b>Resolution</b>	1440x1080
<b>Sensor</b>	IMX296 (1/2.9, CMOS, Global Shutter)
<b>Pixel Size</b>	3.45
<b>Firmware Version</b>	2002.0.17.0
<b>ADC Bit Depth</b>	10
<b>Quantum Efficiency Mono (% at 525 nm)</b>	N/A
<b>Quantum Efficiency Blue (% at 470 nm)</b>	47.60
<b>Quantum Efficiency Green (% at 525 nm)</b>	58.34
<b>Quantum Efficiency Red (% at 630 nm)</b>	45.54
<b>Temporal Dark Noise (Read Noise) (e-)</b>	4.65
<b>Temporal Dark Noise (Read Noise) (DN)</b>	0.45
<b>Signal to Noise Ratio Maximum (dB)</b>	40.11
<b>Signal to Noise Ratio Maximum (Bits)</b>	6.66
<b>Absolute Sensitivity Threshold (γ)</b>	8.89
<b>Absolute Sensitivity Threshold (e-)</b>	5.15
<b>Saturation Capacity (Well Depth) (e-)</b>	10260.20
<b>Saturation Capacity (Well Depth) (γ)</b>	17692.80
<b>Dynamic Range (dB)</b>	65.98
<b>Dynamic Range (Bits)</b>	10.96
<b>Gain (e-/ADU)</b>	10.39

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

