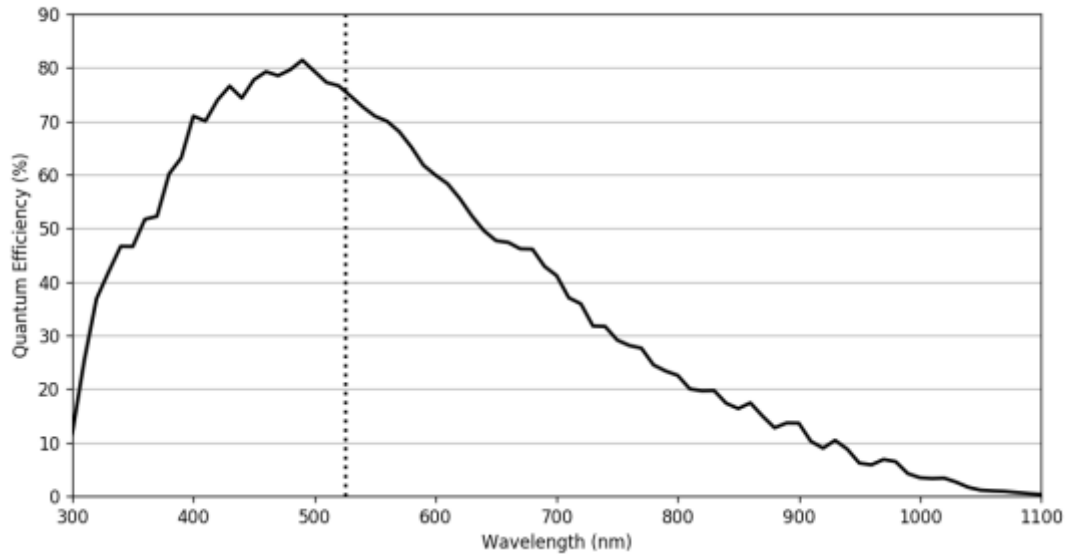


# EMVA 1288 Imaging Performance

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). Using FLIR test software version 4.0.

	<b>BFS-U3-120S4M</b>	<b>BFS-U3-120S4C</b>
<b>Resolution</b>	4000 x 3000	4000 x 3000
<b>Sensor</b>	Sony IMX226, CMOS, 1/1.7"	Sony IMX226, CMOS, 1/1.7"
<b>Pixel Size (μm)</b>	1.85	1.85
<b>Firmware</b>	1801.0.116.0	1801.0.116.0
<b>ADC</b>	12-bit	12-bit
<b>Quantum Efficiency Mono (% at 530 nm)</b>	73	N/A
<b>Quantum Efficiency Blue (% at 460 nm)</b>	N/A	58
<b>Quantum Efficiency Green (% at 530 nm)</b>	N/A	63
<b>Quantum Efficiency Red (% at 625 nm)</b>	N/A	38
<b>Temporal Dark Noise (Read Noise) (e-)</b>	3.23	3.24
<b>Temporal Dark Noise (Read Noise) (DN)</b>	18.09	18.32
<b>Signal to Noise Ratio Maximum (dB)</b>	40.54	40.42
<b>Signal to Noise Ratio Maximum (Bits)</b>	6.73	6.71
<b>Absolute Sensitivity Threshold (γ)</b>	5.09	5.98
<b>Absolute Sensitivity Threshold (e-)</b>	3.73	3.74
<b>Saturation Capacity (Well Depth) (e-)</b>	11323	11020
<b>Saturation Capacity (Well Depth) (γ)</b>	15454	17590
<b>Dynamic Range (dB)</b>	69.64	69.38
<b>Dynamic Range (Bits)</b>	11.57	11.52
<b>Gain (e-/ADU)</b>	0.18	0.18

## BFS-U3-120S4M



## BFS-U3-120S4C

