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YOUR VISION IS OUR VISION



## Typical Performance

| Parameter  | Value   |
|--|---|
| Format & Pitch   | 1280 x 1024, 10µm   |
| Spectral Range   | 0.6-1.7µm (VIS-SWIR)  |
| Quantum Efficiency                                       | > 80% at 1550nm   |
| Dark current   | < 1fA @ 280K  |
| Pixel Operability  | > 99.5%   |
| NEP  | < 0.5fW @ High Gain, 27msec integration time  |
| Well capacity and ROIC noise (typical)                   | High gain – 10Ke, 40e with CDS<br>Medium gain – 500Ke, 170e Low<br>gain – 1Me, 350e |
| Maximum FR at full window<br>(Medium and low gain modes) | up to 160 F/s @ 13 bit resolution (70MHz clock rate)<br>640 F/s with Binning        |
| Windowing  | Flexible, 2 rows step   |
| FPA Power Dissipation                                    | < 150mW @ 60 F/s, Standard Imaging  |
| Active Imaging time constant                             | 2µsec @ CTIA stage  |
| ALPD sensitivity   | < 500e per pixel @ 90% operability  |
| Ambient operating temperature                            | -40°C to 71°C   |
| Ambient non-operating temperature                        | -54°C to 80°C   |
| Package  | Metallic (vacuum tight), 34x34x10 mm <sup>3</sup>                                   |
| Vacuum lifetime  | > 14 years @ 25°C ambient   |
| Cooling capability                                       | ΔT ≥ 40°C @ 30°C ambient  |

Specifications are subject to change without notice



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