

SEBASTIAN 480



| <u>PARAMETER</u> | <u>SEB 480</u> |
|--|---|
| Detector type | InSb 2D array |
| Array format | 480 x 384 |
| Pixel pitch | 20µm |
| Readout Architecture | Si-CMOS, 0.5µm ITR/IWR/Combined/ Multistep/Multiple |
| Integration modes | 6.5 Me @ IWR 13 Me @ ITR |
| Pixel Capacity | < 100 mW @ 200 F/s < 50 mW @ 60 F/s |
| FPA Power Dissipation | 12-15 BIT |
| Digital Resolution | Normal / Dilution |
| Readout Mode | |
| Frame rate | 160Hz @ 15 bit / 270Hz @ 13 bit |
| Readout rate | > 40 Mpixel/sec |
| Readout direction | Bi-directional Top-Bottom / Left-Right |
| Windowing | @ 4 rows step |
| Pixels Binning | 1:2, 2:1, 2:2 |
| Operability | Better than 99.5% |
| Residual Non Uniformity | <0.03% STD/DR @10%-90% well fill capacity |
| Response Uniformity | 2.5% STD/DR |
| Standard Cooler | Ricor K508/K561 |
| Cooler Maximum Input power at steady state @ 23°C | 5 W |
| Maximum cool-down time @ 23°C | 7 minutes |
| Optional f# | f/1.5, f2.24, f/3, f/4, f/5.5 |
| NETD @ 50% well fill | <20mK |