



<u>PARAMETER</u>	<u>SEB 640</u>
Detector type	InSb 2D array
Array format	640 x 512
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	< 100mW @ 120F/s < 80 mW @ 60 F/s
FPA Power Dissipation	12-15 BIT
Digital Resolution	Normal / Dilution
Readout Mode	120 Hz. @ 15 bit / 170 Hz. @ 13 bit
Frame rate	> 40 Mpixel/sec
Readout rate	Bi-directional
Readout direction	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 K548
Cooler Maximum Input power at steady state @ 23°C	17W
Maximum cool-down time @ 23°C	7 minutes
Optional f#	f/2, f/4, f/4.1, f/5.3
NETD @ 50% well fill	<20mK