



<u>PARAMETER</u>	<u>SEB 320</u>
Detector type	InSb 2D array
Array format	320 x 256
Pixel pitch	20µm
Readout Architecture	Si-CMOS, 0.5µm ITR/IWR/Combined/
Integration modes	Multistep/Multiple 6.5 Me @ IWR
Pixel Capacity	13 Me @ ITR
FPA Power	< 80 mW @ 250 F/s
Dissipation	< 40 mW @ 60 F/s
Digital Resolution	12-15 BIT
Readout Mode	Normal / Dilution
Frame rate	250Hz @ 15 bit / 300Hz @ 13 bit
Readout rate	> 40 Mpixel/sec 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 K561
Cooler Maximum Input power at steady state @ 23°C	5 W
Maximum cool-down time @ 23°C	7 minutes
Optional f#	f/4
NETD @ 50% well fill	<20mK