



PARAMETER	PERFORMANCE
Technology	VOx Microbolometer
Array Format	640 x 480 (320 x 240 with dilution)
Pixel Pitch	25 $\mu\text{m}$
Spectral Bandwidth	8-14 $\mu\text{m}$
Pixel Operability	99%
Maximum Frame Rate	60 Hz for full format @ 2 video outputs
Voltage	5 Volts Max
Power Dissipation (excluding TEC)	450 mW for full format
Output Range	2.5 $\pm$ 1.75 Volts
Output Mode	Single-Ended
Intra-scene Dynamic Range @ f/1	>100 K (16 selectable gain options)

PARAMETER	PERFORMANCE
Thermal time constant	< 12 msec
Signal Responsivity @ f/1	> 15 mV/K
NETD @300K scene, f/1, 60 Hz	< 50 mK
Raw offset Non-Uniformity	< 400 mV p-p (on chip coarse NUC)
Video Outputs	1 or 2
FPA Temperature sensor	On chip

PARAMETER	PERFORMANCE
Ambient temperature	-40C to + 70C
FPA temperature	-35C to +65C
Vacuum integrity	> 15 years
Package sensor weight	~ 40 gr.