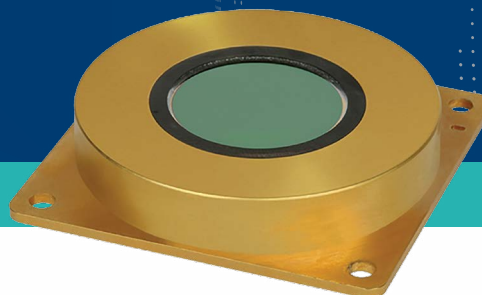




Bird XGA

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General Description

Bird XGA is a large format D
pitc ncooled I detector speciall
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perfor ance s r eillance and instr entation
applications.

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main features

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Typical Performance

Parameter	Value
Sensor	VOx Bolometer
Format	1024 x 768
Pitch	17 μ m
Spectral range	8-12 μ m
Frame rate	>60Hz
Video Output Span	2V (0.5V- 2.5V)
Latency	Sub frame
Power Supply	Bolometer 6.5V; Video O/P 5.5V; Digital 1.8V
Power Dissipation	<700mW (@60Hz frame rate, 25°C FPA Temp)
Temporal NETD	<45mK (F#/1, 25°C FPA Temp, 60Hz frame rate)
Thermal Time Const	12mS
Dynamic Range	100°C (nominal gain)
Response	5mV/K to 50mV/K (selectable)
Pixel Operability	99.5%
FPA Temp Control	Thermo-electric-cooler (TEC)
Size	52 x 52 x 11mm (excluding pins & vacuum tube)
Weight	32 grams
Operation temperature	-40°C to +71°C
Storage temperature	-40°C to +71°C
Vacuum Life Time	14 years (at 25°C Storage Temp)

Specifications are subject to change without notice



SCD.USA Infrared/ Colorado
 T (321) 652 8056 / www.scdusa-ir.com
contactus@scdusa.com

SCD Israel / Haifa
 T (972) 4 9902535 / www.scd.co.il
marketing@scd.co.il