

IRnova640-ER split cooler DDCA



FEATURES

- QWIP (Quantum Well) LWIR detector
- 640x512 resolution with 25 μm pixel pitch
- 107 Hz frame rate
- ISC9803 ROIC
- F/1.5 cold shield
- Split linear Stirling cooler
- Optional proximity electronics

TYPICAL IMAGING PARAMETERS

Spectral response	7.5 μm < λ < 9.0 μm	Customized options available upon request
Peak spectral response	8.6 μm	
F-number	F/1.5	
Temporal NETD	~ 30 mK	At 303K with max scene temp 353K (80 °C)
Spatial NETD	~ 15 mK	
Operability	> 99.9%	
Maximum frame rate	107 Hz	

MODULE PARAMETERS

Cooler type	Split linear Stirling	
Lifetime MTTF	> 20,000 h	
Power consumption	~ 75 W ~ 30 W	During cool down phase During steady state operation
Supply voltage	27 – 32 V	
Electrical Interfaces	ROIC defined	
Weight	< 3 kg	