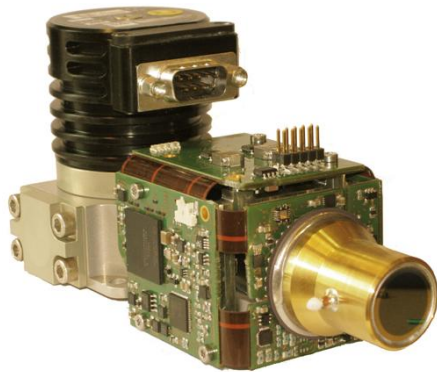


IRnova320ER – POL IDCA



FEATURES

- LWIR infrared (QWIP based , inherently uniform)
- 320 x 256 resolution @ 30 μm pixel pitch
- Pixelated Polarimetric response
- Cooler Control, A/D Converter and Pre-Amplifier

TYPICAL IMAGING PARAMETERS

Spectral response	7,5 – 9.0 μm	
F-number	F/2	Other F# on request
Temporal NETD	~ 25 mK	
Spatial NETD	~ 10mK	
Operability	> 99.9 %	
Frame rate	60 Hz	Selectable frame rate (15, 30, 50 and 60 Hz)

TYPICAL POLARIMETRIC PARAMETERS

Polarization contrast	~ 60%	
NEDOLP	< 0.1 %	Net Equivalent Degree of Linear Polarization

TYPICAL IDCA PARAMETERS

Cooler type	Integrated rotary Stirling	
Power consumption (incl. Proxy)	~ 7 W	During steady state operation
Cool down time	~ 6 min	
Supply voltage	12 V	
Electrical Interfaces	LVDS and I ² C	Uncompressed raw digital video stream and ctrl/cmd interface (with optional proxy board)
Weight	~ 550 g	