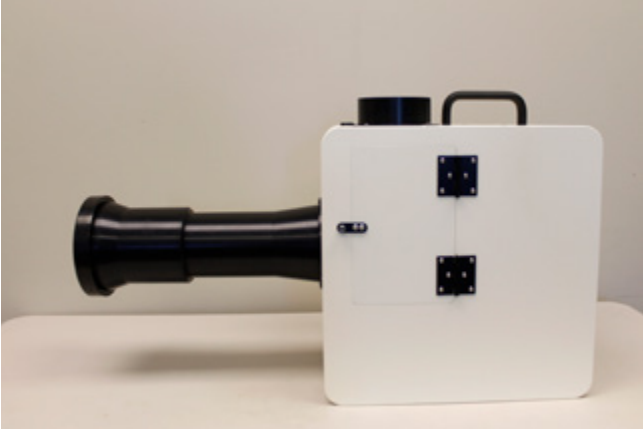


Ursa MCT LWIR



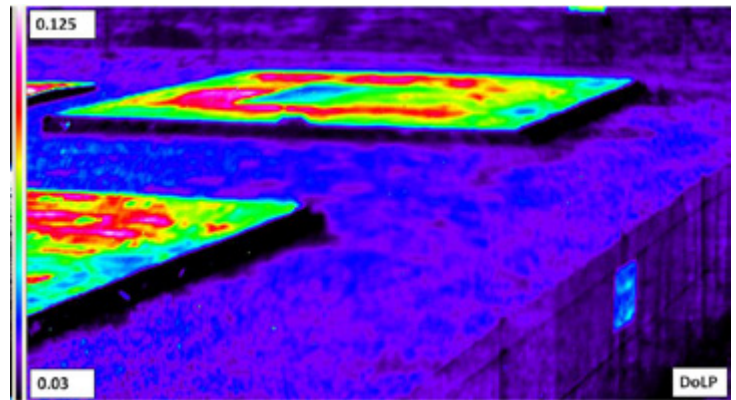
Detector	HgCdTe FPA
Waveband	7.5 μ m-10.4 μ m
Pixel Pitch	15 μ m
Resolution (HxV)	640 x 512 pixels
Standard Lens	25mm EFL
Field of View (Standard Lens)	30° x 23°
Camera Frame Rate	30Hz
Full Frame Pixel Operability	>99.8%
NEDT @ f/2	28mK
NEDOLP @ f/2	0.2%
Input Voltage	110V
Size with Standard Lens (LxWxH)	15" x 10" x 14"
Weight with Standard Lens	35lbs
Data Interface	GigE

Summary

- Operates with two MCT imagers that capture orthogonal states of polarization simultaneously for stop action imagery of polarization images
- URSA operates at 30 frames per second capturing S1 and S2 images of polarization alternately
- Designed to accept both wide and narrow FOV optics
- Operated with a laptop computer which displays real-time calibrated polarimetric and radiometric data products
- Imagery can also be streamed to disk for post processing and analysis

Applications

- Detection of man-made objects in clutter and during thermal cross-over events
- Phenomenology
- Force protection
- Remote sensing
- Dynamic threat detection
- Facial recognition
- Detection of proliferation chemistries



Detection of chemical residues on concrete using polarization.

Polaris

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